Gulf Power®

September 3, 2020

Mr. Adam Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

RE: Docket No. 20200001-EI

Dear Mr. Teitzman:

Attached for official filing in the above-referenced docket are the following:

1. The Petition of Gulf Power Company.

2. Prepared direct testimony and exhibits of Richard L. Hume.

Pursuant to the Order Establishing Procedure in this docket, electronic copies of Exhibits RLH-5 through RLH-8 will be provided to the parties under separate cover.

Sincerely,

S/Richard Hume

Richard Hume
Regulatory Issues Manager

md

Attachments

cc: Florida Public Service Commission
Suzanne Brownless, Sr. Attorney, Office of the General Counsel (6 copies)
Gulf Power Company
Russell Badders, Esq., VP & Associate General Counsel

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: Fuel and Capacity Cost Recovery Clauses and Generating Performance Incentive Factor.	Docket No.:	20200001-EI
	Filed:	September 3, 2020

PETITION OF GULF POWER COMPANY FOR APPROVAL OF FINAL FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2019 THROUGH DECEMBER 2019; FINAL GPIF ADJUSTMENT FOR JANUARY 2019 THROUGH DECEMBER 2019; ESTIMATED FUEL COST TRUE-UP AMOUNTS FOR JANUARY 2020 THROUGH DECEMBER 2020; PROJECTED FUEL COST RECOVERY AMOUNTS FOR JANUARY 2021 THROUGH DECEMBER 2021; FINAL CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2019 THROUGH DECEMBER 2019; ESTIMATED CAPACITY COST TRUE-UP AMOUNTS FOR JANUARY 2020 THROUGH DECEMBER 2020; PROJECTED CAPACITY COST RECOVERY AMOUNTS FOR JANUARY 2021 THROUGH DECEMBER 2021; ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS; GPIF TARGETS AND RANGES FOR JANUARY 2021 THROUGH DECEMBER 2021; FINANCIAL HEDGING ACTIVITIES AND SETTLEMENTS FOR AUGUST 2019 THROUGH MARCH 2020; FUEL COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2021 THROUGH DECEMBER 2021; AND CAPACITY COST RECOVERY FACTORS TO BE APPLIED BEGINNING WITH THE PERIOD JANUARY 2021 THROUGH DECEMBER 2021

Gulf Power Company ("Gulf Power", "Gulf", or "the Company"), by and through its undersigned counsel, hereby petitions this Commission for approval of the Company's (a) final fuel adjustment true-up amounts for the period January 2019 through December 2019; (b) final GPIF adjustment for the period January 2019 through December 2019; (c) estimated fuel cost true-up amounts for the period January 2020 through December 2020; (d) projected fuel cost recovery amounts for the period January 2021 through December 2021; (e) final capacity cost true-up amounts for the period January 2019 through December 2019; (f) estimated capacity cost

true-up amounts for the period January 2020 through December 2020; (g) projected capacity cost recovery amounts for the period January 2021 through December 2021; (h) estimated as-available avoided energy costs for qualifying facilities (QF's); (i) GPIF targets and ranges for January 2021 through December 2021; (j) financial hedging activities and settlements for August 2019 through March 2020; (k) fuel cost recovery factors to be applied beginning with the period January 2021 through December 2021; and (l) capacity cost recovery factors to be applied beginning with the period January 2021 through December 2021.

As grounds for the relief requested by this petition, the Company would respectfully show:

FINAL FUEL ADJUSTMENT TRUE-UP

(1) By vote of the Commission at the November 2019 hearings, estimated fuel true-up amounts were approved by the Commission, subject to establishing the final fuel true-up amounts. According to the data filed by Gulf for the period ending December 31, 2019, the actual fuel true-up amount for the subject twelve months is an over recovery of $8,868,596. This amount was refunded through Gulf's mid-course correction approved by Order No. PSC-2020-0154-PCO-EI on May 14, 2020. The mid-course correction refund is reflected in Gulf's calculation of the 2020 year-end estimated under-recovery of $1,099,690 which is submitted for approval by the Commission in the next period. The supporting data has been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost procedures, and it fairly presents the Company's fuel and purchased energy expenses for the period. Amounts spent by the Company for fuel and purchased energy are reasonable and prudent, and the Company makes every effort to secure the most favorable price for all of the

fuel it purchases and for its energy purchases.

GPIF ADJUSTMENT

(2) On March 16, 2020, Gulf filed the Company's actual operating results for the period January 2019 through December 2019. Based on the actual operating results for the period January 2019 through December 2019, Gulf should receive a reward in the amount of $62,232. The methodology used by Gulf in determining the various factors required to compute the GPIF is in accordance with the requirements of the Commission.

ESTIMATED FUEL COST TRUE-UP

(3) Gulf has calculated its estimated fuel cost true-up amount for the period January 2020 through December 2020. Based on six months actual experience and six months projected data, the Company's estimated fuel cost true-up amount for the current period (January 2020 through December 2020) is an under recovery of $1,099,690. The supporting data is provided in the testimony and schedules of R.L. Hume filed herewith. The estimated fuel cost true-up for the current period includes Gulf's mid-course correction refund of $51.3 million. The proposed fuel cost recovery factors reflect the collection of this total true-up amount, $1,099,690, during the period of January 2021 through December 2021.

PROJECTED FUEL COST RECOVERY AMOUNTS

(4) Gulf has calculated its projected fuel cost recovery amounts for the months January 2021 through December 2021 for fuel and purchased energy in accordance with the procedures set out in this Commission's Orders Nos. 6357, 7890, 7501, and 9273 of Docket No. 74680-EI and with the orders entered in this ongoing cost recovery docket. The computations

thereof are attached as Schedule E-1 of the exhibit to the testimony of R. L. Hume filed herewith. The supporting data prepared in accordance with the Commission Staff's suggested procedures and format is attached as Schedules E-1 through E-11, and H-1 of the exhibit to the testimony of Mr. Hume filed herewith. Said schedules are by reference made a part hereof. The proposed amounts and supporting data have been prepared in accordance with the uniform system of accounts as applicable to the Company's fuel cost projection procedures and fairly present the Company's best estimate of fuel and purchased energy expense for the projected period. Amounts projected by the Company for fuel and purchased energy are reasonable and prudent, and the Company continues to make every effort to secure the most favorable price for all of the fuel it purchases and for its purchased energy.

FINAL CAPACITY COST TRUE-UP

(5) By vote of the Commission at the November 2019 hearings, estimated purchased power capacity cost true-up amounts were approved by the Commission, subject to establishing the final purchased power capacity cost true-up amounts. According to the data filed by Gulf for the twelve-month period ending December 2019, the final capacity cost true-up amount for the subject twelve months should be an actual under recovery of $169,902, instead of the estimated under recovery of $622,746 as approved previously by this Commission. The difference between these two amounts of $452,844 is submitted for approval by the Commission to be applied in the next period. The supporting data has been prepared in accordance with the uniform system of accounts and fairly presents the Company's capacity expenses for the period. Amounts spent by the Company for capacity are reasonable and prudent, and in the best long-term interests of Gulf's general body of customers.

ESTIMATED CAPACITY COST TRUE-UP

(6) Gulf has calculated its estimated capacity cost true-up amount for the period January 2020 through December 2020. Based on six months actual and six months projected data, the Company's estimated capacity cost true-up amount for the current period is an under recovery of $2,700,587. The net estimated capacity cost true-up for the current period is combined with the net final capacity cost true-up for the period ending December 2019 to reach the total capacity cost true-up to be addressed in the factors for the next cost recovery period. The proposed capacity cost recovery factors reflect the collection of this total capacity cost true-up amount of $2,247,743 during the period of January 2021 through December 2021.

PROJECTED CAPACITY COST RECOVERY AMOUNTS

(7) Gulf has calculated its projected purchased power capacity cost recovery amounts for the months January 2021 through December 2021 in accordance with the procedures set out in Order No. 25773, Order No. PSC-93-0047-FOF-EI and Order No. PSC-99-2512-FOF-EI. The proposed factors reflect the recovery of the net capacity cost recovery amount of $85,862,394 projected for the period January 2021 through December 2021.

The computations and supporting data for the Company's purchased power capacity cost recovery factors are set forth in the testimony and on Schedules CCE-1 (including CCE-1A and CCE-1B), CCE-2, and CCE-4 attached as part of the exhibit to the testimony of R. L. Hume filed herewith. The methodology used by Gulf in determining the amounts to include in these factors and the allocation to rate classes, based 12/13th on demand and 1/13th on energy, is in accordance with the requirements of the Commission as set forth in Order No. 25773. The amounts included in the

factors for this projection period are based on reasonable projections of the capacity transactions that are expected to occur during the period January 2021 through December 2021. The proposed factors and supporting data have been prepared in accordance with the uniform system of accounts and fairly present the Company's best estimate of the capacity costs for the projected period. Amounts projected by the Company for capacity are reasonable and prudent, and in the best long-term interests of Gulf's general body of customers.

ESTIMATED AS-AVAILABLE AVOIDED ENERGY COSTS

(8) Pursuant to Order 13247 (entered May 1, 1984) in Docket No. 830377-EI and Order No. 19548 (entered June 21, 1988) in Docket No. 880001-EI, Gulf has calculated estimates of as-available avoided energy costs for QF's in accordance with the procedures required in said orders. The resultant costs are attached to the testimony of R. L. Hume as Schedule E-11 and by reference made a part hereof. Gulf Power requests that the Commission approve the estimates for these costs set forth on Schedule E-11.

GPIF TARGETS AND RANGES

(9) Gulf also seeks approval of the GPIF targets and ranges for the period January 2021 through December 2021. The computations and supporting data for the Company's GPIF targets and ranges are provided in the testimony and exhibit of C. R. Rote filed herewith. The GPIF targets for the period January 2021 through December 2021 are:

Unit	EAF	Heat Rate
Crist 7	89.0	10,882
Daniel 1	93.9	10,650
Daniel 2	93.4	10,334
Scherer 3	95.3	11,339
Smith 3	91.2	6,913
EAF = Equivalent Availability Factor (%)		

HEDGING ACTIVITIES AND SETTLEMENTS

(10) As demonstrated in Schedule 3 filed as part of Exhibit RLH-1 to the testimony of R. L. Hume on March 1, 2020, the Hedging Information Report filed on April 3, 2020, and the Hedging Information Report filed on August 10, 2020, Gulf experienced a net loss of $5,154,160 associated with its natural gas hedging transactions effected between August 1, 2019 and March 31, 2020 Pursuant to Order No. PSC-08-0316-PAA-EI, Gulf Power requests that the Commission find that its hedging transactions for the period August 1, 2019 through March 31, 2020 are prudent.

FUEL COST RECOVERY FACTORS

(11) The proposed levelized fuel and purchased energy cost recovery factor, including GPIF and True-Up, herein requested is 3.053 ¢/kWh. The proposed factors by rate schedule are:

Group	Standard Rate Schedules*	Line Loss Multipliers	Fuel Cost Factors ¢/kWh
A	RS, RSVP, RSTOU, GS, GSD, GSTOU, OSIII	1.00555	3.070
B	LP, LPT	0.99188	3.028
C	PX, PXT, RTP	0.97668	2.982
D	OSI/II	1.00560	3.045

Group	Time-of-Use Rate Schedules*	Line Loss Multipliers	Fuel Cost Factors	
			On-Peak ¢/kWh	Off-Peak ¢/kWh
A	GSDT, SBS	1.00555	3.539	2.879
B	LPT, SBS	0.99188	3.490	2.840
C	PXT, SBS	0.97668	3.437	2.796

*The recovery factor applicable to customers taking service under Rate Schedule SBS is determined as follows: customers with a Contract Demand in the range of 100 to 499 kW will use the recovery factor applicable to Rate Schedule GSD; customers with a Contract Demand in the range of 500 to 7,499 kW will use the recovery factor applicable to Rate Schedule LP; and customers with a Contract Demand over 7,499 kW will use the recovery factor applicable to Rate Schedule PX.

CAPACITY COST RECOVERY FACTORS

(12) The proposed purchased power capacity cost recovery factors by rate class herein requested, including true-up, are:

RATE CLASS	CAPACITY COST RECOVERY FACTORS ¢/kWh
RS, RSVP, RSTOU	0.915
GS	0.931
GSD, GSDT, GSTOU	0.733
LP, LPT	2.86 ($/kW)
PX, PXT, RTP, SBS	0.623
OS-I/II	0.127
OSIII	0.566

WHEREFORE, Gulf Power Company respectfully requests the Commission to approve the final fuel adjustment true-up for the period January 2019 through December 2019; the GPIF adjustment for the period January 2019 through December 2019; the estimated fuel cost true-up for the period January 2020 through December 2020; the projected fuel cost recovery amount for the period January 2021 through December 2021; the final capacity cost true-up amount for the period January 2019 through December 2019; the estimated capacity cost recovery true-up amount for the period January 2020 through December 2020; the projected purchased power capacity cost recovery amount for the period January 2021 through December 2021; the estimated as-available avoided energy costs for QF's; the GPIF targets and ranges for the period January 2021 through December 2021; the financial hedging activities and settlements for the period August 2019 through March 2020; the fuel cost recovery factors to be applied beginning with the period January 2021 through December 2021; and the capacity cost recovery factors to be applied beginning with the period January 2021 through December 2021. These factors should remain in effect until modified by this Commission. These factors should remain in effect until modified by this Commission.

Dated the 3rd day of September 2020.

RUSSELL A. BADDERS
Vice President & Associate General Counsel
Florida Bar No. 007455
russell.badders@nexteraenergy.com
One Energy Place
Pensacola, FL 32520-0100
(850) 444-6550

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND CAPACITY COST RECOVERY CLAUSE DOCKET NO. 20200001-EI

PREPARED DIRECT TESTIMONY
AND EXHIBIT OF
RICHARD L. HUME

PROJECTION FILING FOR THE PERIOD
JANUARY 2021 – DECEMBER 2021

SEPTEMBER 3, 2020

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

GULF POWER COMPANY

TESTIMONY OF RICHRD L. HUME

DOCKET NO. 20200001-EI

SEPTEMBER 3, 2020

Q. Please state your name, business address and occupation.

A. My name is Richard Hume. My business address is Gulf Power Company ("Gulf"), One Energy Place Pensacola, FL 32520.

Q. Have you previously filed testimony in this docket?

A. Yes, I have.

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to discuss the projection of fuel expenses, net power transaction expenses, and purchased power capacity costs for the period January 2021 through December 2021 for which Gulf seeks recovery through the Fuel Cost Recovery ("FCR") Clause. I will also present the calculation of Gulf's Capacity Cost Recovery ("CCR") factors for the period January 2021 through December 2021.

Q. Have you prepared any exhibits that contain information to which you will refer in your testimony?

A. Yes, I have. They are as follows:

Exhibit Number	Summary
Exhibit RLH-5	23 schedules related to Fuel and Capacity Calculations

Exhibit Number	Summary
Exhibit RLH-6	Gulf's Hedging Information Report filed with the Commission Clerk on April 3, 2020, and assigned Document Numbers DN 01746-2020 (redacted) and 01752-2020 (confidential information). This exhibit details Gulf's natural gas hedging transactions for August 2019 through December 2019 in compliance with Order No. PSC-08-0316-PAA-EI.
Exhibit RLH-7	Gulf's Hedging Information Report filed with the Commission Clerk on August 10, 2020, and assigned Document Numbers DN 0431-2020 (redacted) and DN 04308-2020 (confidential information). This exhibit details Gulf's natural gas hedging transactions for January 2020 through March 2020 in compliance with Order No. PSC-08-0316-PAA-EI.
Exhibit RLH-8	Calculation of the stratified separation factors.

Q. Have you verified that to the best of your knowledge and belief, the information contained in these documents is correct?

A. Yes, I have.

FUEL COST RECOVERY CLAUSE

Q. Please explain the calculation of the fuel and purchased power expense true-up amount included in the annual fuel factor for the period January 2021 through December 2021.

A. The 2021 FCR factors includes an adjustment to the total net true-up, for the Generating Performance Incentive Factor ("GPIF"). As shown on Schedule E-1A of Exhibit RLH-5, the total true-up amount is a $1,099,690 under-recovery for the period January 2020 through December 2020. The estimated under-recovery includes six months of actual data and six months of estimated data as reflected on Schedule E-1B of Exhibit RLH-5.

The GPIF result shown on Line 26 of Schedule E-1 is an increase of 0.0006 cents per kWh to the annual fuel factor. This amount represents an increase in the amount of $62,232 as shown in Exhibit JAV-1 of Witness Van Norman's testimony filed on March 16, 2020.

Q. What is the appropriate revenue tax factor to be applied in calculating the annual fuel factor?

A. A revenue tax factor of 1.00072 has been applied to all jurisdictional fuel costs, as shown on Line 24 of Schedule E-1.

Q. What is the annual projected fuel factor for the period January 2021 through December 2021?

A. Gulf has proposed an annual fuel factor of 3.053 cents per kWh. This factor is based on projected fuel and purchased power energy expenses and projected kWh sales for January 2021 through December 2021 and includes the true-up and GPIF amounts

identified above.

Q. How were the line loss multipliers used on Schedule E-1E calculated?

A. The line loss multipliers were calculated in accordance with procedures approved in prior filings and were based on Gulf's latest MWh Load Flow Allocators.

Q. What fuel factor does Gulf propose for its largest group of customers (Group A), those on Rate Schedules RS, GS, GSD, and OS-III?

A. Gulf proposes a standard fuel factor, adjusted for line losses, of 3.070 cents per kWh for Group A. Fuel factors for Groups A, B, C, and D are shown on Schedule E-1E. These factors have all been adjusted for line losses.

Q. How were the time-of-use fuel factors calculated?

A. The time-of-use fuel factors were calculated based on seasonal on and off-peak projected loads for the period January 2021 through December 2021 and include the GPIF and true-up amount. These time-of-use fuel factors as shown on Schedule E-1E have all been adjusted for line losses.

Q. How does the proposed fuel factor for Rate Schedule RS compare with the factor applicable to December 2020, and how would the change affect the cost of 1,000 kWh on Gulf's residential rate RS?

A. The current 2020 fuel factor for Rate Schedule RS applicable through December 2020 is 3.262 cents per kWh compared with the proposed factor of 3.070 cents per kWh. For a residential customer who is billed for 1,000 kWh in January 2021, the fuel portion of the bill would decrease from $32.62 to $30.70 or a 5.9% decrease.

Q. Has Gulf updated its estimates of the as-available avoided energy costs to be shown on COG1 as required by Order No. 13247 issued May 1, 1984, in Docket No. 830377-EI and Order No. 19548 issued June 21, 1988, in Docket No. 880001-EI?

A. Yes. A tabulation of these costs is set forth in Schedule E-11 of my exhibit. These costs represent the estimated averages for the period January 2021 through December 2021. In addition, pursuant to Commission Order No. PSC-16-0119-TRF-EG in Docket No. 150248-EG, Gulf has calculated what the bill credit would be if it launched the Community Solar Pilot Program described in that Order. The bill credit would be $1.68 per month based on the 2021 projected solar-weighted average annual avoided energy cost is 2.7 cents per kWh for the period January 2021 and December 2021.

Q. What amount have you calculated to be the appropriate benchmark level for calendar year 2020 gains on non-separated wholesale energy sales eligible for a shareholder incentive?

A. In accordance with Order No. PSC-00-1744-PAA-EI, an estimated three-year average benchmark level has been calculated as follows:

2018 actual gains	589,410
2019 actual gains	159,393
2020 estimated gains	74,883
Three-Year Average	$274,562

This amount represents the minimum projected threshold for 2021 that must be achieved before shareholders may receive any incentive.

FUEL PROCUREMENT

Q. Please describe Gulf's fuel procurement program for the 2021 projected period?

A. Gulf's coal requirements are purchased in the market through the Request for Proposal (RFP) process that has been used for many years. Natural gas supply will be purchased from multiple suppliers using a combination of firm quantity agreements with market-based pricing for baseload needs and daily spot market purchases. Natural gas transportation will be secured using a combination of firm and spot transportation agreements.

Q. What actions does Gulf take to procure natural gas supply and natural gas transportation for its units at competitive prices for both long-term and short-term deliveries?

A. Gulf procures natural gas using both long and short-term agreements for gas supply at market-based prices. Gulf secures gas transportation using a combination of long-term agreements for firm pipeline capacity and released capacity, delivered natural gas, and interruptible transportation for shorter term needs.

HEDGING

Q. Has anything changed with regard to the status of Gulf's hedging program since filing testimony on July 27, 2020, in this docket?

A. There has been no change in the status of Gulf's hedging program. Gulf's fuel hedging program was terminated pursuant to the Stipulation and Settlement Agreement approved by this Commission in Order No. PSC-17-0178-S-EI. Gulf's hedge

positions that were put in place prior to terminating all hedging activities ended as of March 2020. Accordingly, actual hedging settlement data is included in my Exhibit RLH-6 as previously filed with this Commission on August 10, 2020. Gulf has no further hedging activity to report past March 2020.

Q. What were the results of Gulf's natural gas price hedging program for the period August 2019 through March 2020?

A. Gulf had financial hedges in place during the August 2019 through March 2020 period to hedge the price of natural gas. These financial hedges were effective in delivering greater price certainty for a portion of Gulf's natural gas requirements during that time period. Between August 2019 and July 2020, Gulf recorded hedging settlement costs of $5,154,160. Pursuant to Order No. PSC-08-0316-PAA-EI, Gulf filed Hedging Information Reports with the Commission on April 3, 2020, and August 10, 2020, detailing its natural gas hedging transactions for August 2019 through March 2020. I am sponsoring these reports as Exhibits RLH-6 and RLH-7 to my testimony in this docket.

CAPACITY COST RECOVERY CLAUSE

Q. You stated earlier that you are responsible for the calculation of the Capacity Cost Recovery factors. Which of your exhibits relate to the calculation of these factors?

A. Schedule CCE-1, including CCE-1A and CCE-1B, Schedule CCE-2, and Schedule CCE-4 of my Exhibit RLH-5 relate to the calculation of the CCR recovery factors for the period January 2021 through December 2021.

Q. Please describe Schedule CCE-1 of your exhibit.

A. Schedule CCE-1 provides the calculation of stratified jurisdictional capacity costs to be recovered through the CCR. The schedule provides Gulf's total projected net capacity expense, which includes a credit for transmission revenue. The total net projected capacity costs are applied to a stratified jurisdictional factor and added to the total true-up which is then adjusted for revenue taxes to determine the amount to be recovered in the period through CCR recovery factors.

The total recoverable capacity payments for the period are $85,862,394. This amount is captured in the Schedule CCE-1, line 20. Schedule CCE-4 shows the projected cost associated with the Southern Intercompany Interchange capacity, if applicable, and any long-term purchased power contracts that are included for capacity cost recovery and lists their associated capacity amounts in megawatts. Also included in Gulf's 2021 projection of capacity cost is revenue produced by a market-based agreement between the Southern electric system operating companies and South Carolina PSA (Public Service Authority). The total capacity cost of $85,691,528 is shown on Schedule CCE-4, line 11.

Gulf has included an estimate of transmission revenues associated with off-system economy sales in the amount of $84,000 in its capacity cost recovery projection. This amount is captured on Schedule CCE-1, line 6 of my Exhibit RLH-5.

Q. What jurisdictional factor was used to calculate projected recoverable capacity costs for the period January 2021 through December 2021?

A. The calculations of the separation factors are provided in Exhibit RLH-8. Gulf has separated the production-related capacity costs based on stratified separation factors

that better reflect the types of generation required to serve load under stratified wholesale power sales contracts. The use of stratified separation factors thus results in a more accurate separation of capacity costs between the retail and wholesale jurisdictions.

Gulf has one stratified wholesale power sales contract effective as of January 1, 2020, with Florida Public Utility. The separation factors for the intermediate and peaking strata associated with this contract was calculated in a manner consistent with the method used by Florida Power & Light Company and Duke Energy Florida using Gulf's 2018 Cost of Service Load Research Study filed with this Commission in accordance with Rule 25-6.0437, F.A.C.

Q. What is the appropriate revenue tax factor to be applied in calculating the total recoverable capacity payments?

A. A revenue tax factor of 1.00072 has been applied to all jurisdictional capacity costs, as shown on Line 19 of Schedule CCE-1.

Q. What methodology was used to allocate the capacity payments by rate class?

A. As required by Commission Order No. 25773 in Docket No. 910794-EQ, the revenue requirements have been allocated using the cost of service methodology approved by the Commission in Order No. PSC-17-0178-S-EI in consolidated Docket Nos. 160186-EI and 160170-EI. This allocation is consistent with the treatment accorded to production plant in the cost of service study approved by the Commission in Gulf's most recent base rate proceeding. For purposes of the CCR Clause, Gulf has allocated the net capacity costs by rate class within the retail jurisdiction based on the 12-Monthly Coincident Peak (MCP) and 1/13th method described below.

Q. How were the rate class allocation factors used in the CCR Clause calculated?

A. The rate class demand allocation factors used in the CCR Clause has been calculated using the 2018 Cost of Service Load Research Study results filed with the Commission in accordance with Rule 25-6.0437, F.A.C. and adjusted for losses. The rate class energy allocation factors were calculated based on projected kWh sales for the period and adjusted for losses. The calculations of the allocation factors are shown in columns A through I on page 1 of schedule CCE-2.

Q. Please describe the calculation of the CCR recovery factors by rate class used to recover capacity costs.

A. The CCR recovery factors by rate class are calculated by dividing the revenue requirement assigned to each rate class by the classes' billing determinants. The revenue requirements are assigned to each rate class as shown in columns A through D on page 2 of Schedule CCE-2 based on the 12-MCP and 1/13th method, whereby 12/13ths of the jurisdictional capacity costs to be recovered is allocated by rate class based on the demand allocator and 1/13th is allocated based on the energy allocator.

Gulf has calculated the CCR factor for the LP/LPT rate classes based on kilowatt (kW) demand rather than kilowatt hour (kWh) in accordance with Order No. PSC-13-0670-S-EI issued December 9, 2013, in Docket No. 130140-EI. The total revenue requirement assigned to rate class LP/LPT shown in column E is divided by the sum of the projected billing demands (kW) for the twelve-month period to calculate the CCR recovery factor. This factor would be applied to each LP/LPT customer's billing demand (kW) to calculate the amount to be billed each month.

For all other rate classes, the total revenue requirement assigned to each rate class shown in column E is divided by that class's projected kWh sales for the twelve-month period to calculate the CCR recovery factor. This factor would be applied to each customer's total kWh sales to calculate the amount to be billed each month.

Q. What is the amount related to capacity costs recovered through this factor that will be included on a residential customer's bill for 1,000 kWh?

A. The capacity costs recovered through the clause for a residential customer who is billed for 1,000 kWh the capacity charge would increase from $8.78 to $9.15 or 4.2%.

Q. Have there been any new purchased power agreements entered into by Gulf that impact the total recoverable capacity payments for the period?

A. No.

Q. When does Gulf propose to collect these new FCR charges and CCR charges?

A. Gulf proposes that the FCR factors and CCR factors for the period January 2021 through December 2021 become effective starting with the first meter readings made on or after January 1, 2021. These factors should remain in effect until modified by the Commission.

Q. Mr. Hume, does this conclude your testimony?

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 20200001-EI

Before me, the undersigned authority, personally appeared Richard L. Hume, who being first duly sworn, deposes and says that he is the Regulatory Issues Manager of Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge and belief. He is personally known to me.

Richard L. Hume
Regulatory Issues Manager

Sworn to and subscribed before me by means of ✓ physical presence or ____ online notarization this 2nd day of September, 2020.

Melissa Darnes
Notary Public, State of Florida at Large

MELISSA A DARNES
Commission # GG 366942
Expires December 17, 2023
Bonded Thru Budget Notary Services

SCHEDULE E-1

GULF POWER COMPANY
FUEL COST RECOVERY CALCULATION

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)
Line No.	Description	$	kWh	¢ / kWh
1	Fuel Cost of System Net Generation (E-3)	246,764,669	9,729,429,000	2.5363
2	Other Generation (E-3)	3,104,447	113,508,000	2.7350
3	Hedging Settlement (E-2)	0	0	N/A
4	**Total Cost of Generated Power**	249,869,116	9,842,937,000	2.5386
5	Fuel Cost of Purchased Power (Exclusive of Economy) (E-7	0	0	
6	Energy Cost of Other Econ. Purch. (E-9))	210,320,693	7,142,927,000	2.9445
7	Energy Payments to Qualifying Facilities (E-8)	0	0	
8	**Total Cost of Purchased Power**	210,320,693	7,142,927,000	2.9445
9	**Total Available kWh** (Lines 4 + 8)		16,985,864,000	
10	Fuel Cost of Economy Sales (E-6)	(2,017,510)	(84,034,000)	2.4008
11	Gain on Economy Sales (E-6)	0	0	N/A
12	Fuel Cost of Other Power Sales (E-6)	(123,432,062)	(5,281,374,000)	2.3371
13	**Total Fuel Cost & Gains on Power Sales**	(125,449,572)	(5,365,408,000)	2.3381
14	Net Inadvertant Interchange			
15	**Total Fuel & Net Power Trans.** (Lines 4+8+13)	334,740,237	11,620,456,000	2.8806
16	Company Use *	425,148	14,759,000	2.8806
17	T & D Losses *	16,774,972	582,343,000	2.8806
18	**System kWh Sales**	334,740,237	11,023,354,000	3.0366
19	Wholesale kWh Sales	8,905,923	293,286,000	3.0366
20	Jurisdictional kWh Sales	325,834,314	10,730,068,000	3.0366
20a	Jurisdictional Line Loss Multiplier	1.0012		1.0012
21	Jurisdictional kWh Sales Adjusted for Line Losses	326,225,315	10,730,068,000	3.0403
22	**True-Up ****	1,099,690	10,730,068,000	0.0102
23	**Total Jurisdictional Fuel Cost**	327,325,005	10,730,068,000	3.0505
24	Revenue Tax Factor			1.00072
25	Fuel Factor Adjusted For Revenue Taxes	327,560,679	10,730,068,000	3.0527
26	GPIF Reward/(Penalty) **	62,232	10,730,068,000	0.0006
27	Fuel Factor Adjusted for GPIF	327,622,911	10,730,068,000	3.0533
28	Fuel Factor Adjusted for GPIF	327,622,911	10,730,068,000	3.0533
29	**Fuel Factor Rounded to Nearest .001 (¢/kWh)**			**3.053**

*For informational purposes only
** Calculation Based on Jurisdictional kWh Sales

SCHEDULE E-1A

GULF POWER COMPANY
FUEL COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

Line No.	Description	Annual Total
1	Estimated over/(under)-recovery, January 2020 - December 2020 (Schedule E-1B, page 2, line C9)	($9,968,285)
2	Final over/(under)-recovery, January 2019 - December 2019 (Exhibit RLH-1, Schedule 1, Line 3)	$8,868,596
3	Total over/(under)-recovery (Lines 1 + 2) To be included in January 2021 - December 2021 (Schedule E1, Line 23)	($1,099,690)
4	Jurisdictional MWh sales For the period: January 2021 - December 2021	10,730,068
5	True-up Factor (Line 3 / Line 4) x 100 (¢ / kWh)	0.0102

Schedule E-1B

GULF POWER COMPANY
CALCULATION OF ESTIMATED TRUE-UP
ACTUAL FOR THE PERIOD JANUARY 2020 - JUNE 2020 / ESTIMATED FOR JULY 2020 - DECEMBER 2020

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
he	No.	Description	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Projection	August Projection	September Projection	October Projection	November Projection	December Projection	Total Period
A	1	Fuel Cost of System Generation	14,741,501.11	16,516,999.70	15,816,363.24	8,311,751.31	14,050,234.82	15,525,814.39	25,558,192.00	27,097,371.00	23,540,208.00	18,109,682.00	15,887,866.00	17,876,493.00	213,032,476.57
	1a	Fuel Cost of Hedging Settlement	467,160.00	559,890.00	578,370.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,605,420.00
	1b	Wholesale kWh Sales Credit	0.00	(456,821.10)	(380,974.81)	(365,866.57)	(326,776.63)	(421,601.05)	0.00	0.00	0.00	0.00	0.00	0.00	(1,952,040.16)
	2	Fuel Cost of Power Sold	(6,406,402.41)	(8,246,289.33)	(5,271,125.29)	(1,987,896.51)	(3,451,557.45)	(2,793,241.38)	(11,103,553.00)	(11,591,484.00)	(10,399,767.00)	(4,388,918.00)	(10,776,306.00)	(8,941,272.00)	(85,357,812.37)
	3	Fuel Cost of Purchased Power	13,973,430.71	12,831,930.99	15,257,162.56	12,747,691.78	13,375,411.79	15,063,636.96	15,755,407.00	16,211,253.00	16,249,323.00	11,668,754.00	17,767,570.00	16,950,115.00	177,851,686.49
	3a	Demand & Non-Fuel Cost of Purchased Power	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3b	Energy Payments to Qualified Facilities	496,467.52	584,172.93	117,464.39	864,687.00	548,038.94	462,547.75	0.00	0.00	0.00	0.00	0.00	0.00	3,073,378.53
	4	Energy Cost of Economy Purchases	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5	Other Generation	163,984.58	145,805.89	0.00	202,735.10	143,929.22	142,919.14	252,836.00	252,836.00	244,704.00	252,836.00	244,704.00	252,836.00	2,300,125.93
	6	Adjustments to Fuel Cost	127,387.73	(355,678.17)	(181,445.17)	26,558.37	113,129.53	(12,100.48)	0.00	0.00	0.00	0.00	0.00	0.00	(282,148.19)
	7	TOTAL FUEL & NET POWER TRANSACTIONS	23,563,529.24	21,580,010.91	25,935,814.92	19,799,660.48	24,452,410.22	27,967,975.33	30,462,882.00	31,969,976.00	29,634,468.00	25,642,354.00	23,123,834.00	26,138,172.00	310,271,086.80
B	1	Jurisdictional kWh Sales	802,289,338	721,335,486	772,278,432	770,108,288	899,328,903	1,026,013,316	1,158,517,000	1,145,167,000	995,494,000	839,046,000	731,278,000	817,367,000	10,678,222,763
	2	Non-Jurisdictional kWh Sales	23,471,294	21,007,047	21,513,838	19,820,726	23,913,356	27,154,417	29,793,000						166,673,678
	3	TOTAL SALES (Lines B1 + B2)	825,760,632	742,342,533	793,792,270	789,929,014	923,242,259	1,053,167,733	1,188,310,000	1,145,167,000	995,494,000	839,046,000	731,278,000	817,367,000	10,844,896,441
	4	Jurisdictional % of Total Sales (Line B1/B3)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
C	1	Jurisdictional Fuel Recovery Revenue (1) (Net of Revenue Taxes)	25,214,648.33	22,616,606.23	24,250,540.64	6,203,617.72	5,842,933.73	32,836,810.45	37,555,251.70	37,122,489.29	32,270,590.53	27,199,068.91	23,705,590.29	26,496,308.14	301,314,455.96
	2	True-Up Provision	(55,574.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(55,569.00)	(666,833.00)
	2a	Incentive Provision	(865.33)	(868.67)	(867.00)	(864.00)	(864.00)	(864.00)	(864.00)	(864.00)	(864.00)	(864.00)	(864.00)	(864.00)	(10,377.00)
	3	FUEL REVENUE APPLICABLE TO PERIOD	25,158,209.00	22,560,168.56	24,194,104.64	6,147,184.72	5,786,500.73	32,780,377.45	37,498,818.70	37,066,056.29	32,214,157.53	27,142,635.91	23,649,157.29	26,439,875.14	300,637,245.96
	4	Fuel & Net Power Transactions (Line A7)	23,563,529.24	21,580,010.91	25,935,814.92	19,799,660.48	24,452,410.22	27,967,975.33	30,462,882.00	31,969,976.00	29,634,468.00	25,642,354.00	23,123,834.00	26,138,172.00	310,271,086.80
	5	Jurisdictional Fuel Cost Adj. for Line Losses (Line A7 x Line B4 x 1.0012)	23,591,805.48	21,605,906.92	25,966,937.90	19,823,420.07	24,481,753.11	28,001,536.90	30,499,437.46	32,008,339.97	29,670,029.36	25,673,124.82	23,151,582.60	26,169,537.81	310,643,412.40
	6	Over/(Under) Recovery (Line C3-C5)	1,566,403.52	954,261.64	(1,772,833.26)	(13,676,235.35)	(18,695,252.38)	4,778,840.55	6,999,381.24	5,057,716.32	2,544,128.17	1,469,511.09	497,574.69	270,337.33	(10,006,166.44)
	7	Interest Provision	12,131.16	13,784.27	15,711.34	2,220.83	(799.26)	(1,799.49)	(1,297.20)	(935.07)	(518.67)	(295.99)	(183.80)	(136.35)	37,881.77
	8	Adjustments	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	9	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD JANUARY 2020 - DECEMBER 2020**													($9,968,284.67)

* (Gain)/Loss on sales of natural gas and contract dispute litigation

Notes 1: Projected Revenues based on the current approved 2020 Fuel Factor excluding revenue taxes of: 3.2417 ¢/KWH
Total may not add due to rounding

GULF POWER COMPANY
COMPARISON OF ESTIMATED/ACTUAL VERSUS ORIGINAL PROJECTIONS
OF THE FUEL COST RECOVERY FACTOR

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
		Dollars				kWh				¢/kWh			
Line No.	Description	Estimated Actual	Estimated Original	Difference Amount	Difference %	Estimated Actual	Estimated Original	Difference Amount	Difference %	Estimated Actual	Estimated Original	Difference Amount	Difference %
1	Fuel Cost of System Net Generation	213,032,477	256,848,474	(43,815,997)	(17.06)	9,045,489,480	8,888,872,000	156,617,480	1.76	2.3551	2.8896	(0.5345)	(18.50)
1a	Fuel Cost of Hedging Settlement	1,605,420	6,701,880	(5,096,460)	(76.05)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1b	Wholesale kWh Sales Credit	(1,952,040)	(5,587,895)	3,635,855	(65.07)	(200,390,000)	(209,718,000)	9,328,000	(4.45)	0.0000	2.6645	(2.6645)	(100.00)
2	Other Generation	2,300,126	2,390,125	(89,999)	(3.77)	73,609,520	81,352,000	(7,742,480)	(9.52)	3.1248	2.9380	0.1868	6.36
3	Adjustments to Fuel Cost	(282,148)	0	(282,148)	-	0	0	0	0	N/A	N/A	N/A	N/A
4	**Total Cost of Generated Power**	214,703,834	260,352,584	(45,648,750)	(17.53)	8,918,709,000	8,760,506,000	158,203,000	1.81	2.4073	2.9719	(0.5646)	(19.00)
5	Energy Cost of Other Economy Purchases (Nonbroker)	177,851,686	214,200,334	(36,348,648)	(16.97)	7,003,878,800	7,318,073,000	(314,194,200)	(4.29)	2.5393	2.9270	(0.3877)	(13.25)
6	Energy Payments to Qualifying Facilities	3,073,379	0	3,073,379	-	112,431,285	0	112,431,285	-	2.7336	0.0000	2.7336	100.00
7	**Total Cost of Purchased Power**	180,925,065	214,200,334	(33,275,269)	(15.53)	7,116,310,085	7,318,073,000	(201,762,915)	(2.76)	2.5424	2.9270	(0.3846)	(13.14)
8	**Total Available** (Line 4 + Line 7)	395,628,899	474,552,918	(78,924,019)	(16.63)	16,035,019,085	16,078,579,000	(43,559,915)	(0.27)	2.4673	2.9515	(0.4842)	(16.41)
9	Fuel Cost of Economy Sales	(2,118,112)	(2,762,145)	644,033	(23.32)	(84,540,224)	(109,939,000)	25,398,776	(23.10)	2.5054	2.5124	(0.0070)	(0.28)
10	Gain on Economy Sales	(123,369)	(104,000)	(19,369)	18.62	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	Fuel Cost of Other Power Sales	(99,248,038)	(102,387,084)	3,139,046	(3.07)	(4,128,033,058)	(4,307,932,000)	179,898,942	(4.18)	2.4042	2.3767	0.0275	1.16
12	**Total Gains on Power Sales**	(101,489,520)	(105,253,229)	3,763,710	(3.58)	(4,212,573,282)	(4,417,871,000)	205,297,718	(4.65)	2.4092	2.3824	0.0268	1.12
13	**Total Fuel & Net Power Transactions**	294,139,378	369,299,689	(75,160,311)	(20.35)	11,822,445,803	11,660,708,000	161,737,803	1.39	2.4880	3.1670	(0.6790)	(21.44)
14	Company Use *	349,449	490,410	(140,961)	(28.74)	14,045,371	15,485,000	(1,439,629)	(9.30)	2.4880	3.1670	(0.6790)	(21.44)
15	T & D Losses *	14,526,021	18,191,090	(3,665,069)	(20.15)	583,843,300	574,395,000	9,448,300	1.64	2.4880	3.1670	(0.6790)	(21.44)
16	TERRITORIAL (SYSTEM) SALES	294,139,378	369,299,689	(75,160,311)	(20.35)	11,224,557,132	11,070,828,000	153,729,132	1.39	2.6205	3.3358	(0.7153)	(21.44)
17	Wholesale Sales	4,367,682	10,049,464	(5,681,782)	(56.54)	166,673,678	301,261,000	(134,587,322)	(44.67)	2.6205	3.3358	(0.7153)	(21.44)
18	Jurisdictional Sales	289,771,696	359,250,225	(69,478,529)	(19.34)	11,057,883,454	10,769,567,000	288,316,454	2.68	2.6205	3.3358	(0.7153)	(21.44)
19	Jurisdictional Sales Adj. for Line Losses (Line 18 x 1.0012)	310,643,412	359,681,325	(49,037,913)	(13.63)	11,057,883,454	10,769,567,000	288,316,454	2.68	2.8092	3.3398	(0.5306)	(15.89)
20	TRUE-UP **	666,833	(23,409,339)	24,076,172	(102.85)	11,057,883,454	10,769,567,000	288,316,454	2.68	0.0060	(0.2174)	0.2234	(102.76)
21	TOTAL JURISDICTIONAL FUEL COST	311,310,245	336,271,986	(24,961,741)	(7.42)	11,057,883,454	10,769,567,000	288,316,454	2.68	2.8152	3.1224	(0.3072)	(9.84)
22	Fuel Factor Adjusted for Revenue Taxes									2.8172	3.1246	(0.3074)	(9.84)
23	GPIF Reward / (Penalty) **	(256,872)	(256,872)	0	0.00	11,057,883,454	10,769,567,000	288,316,454	2.68	(0.0023)	(0.0024)	0.0001	4.17
24	Fuel Factor Adjusted for GPIF Reward / (Penalty)									2.8149	3.1222	(0.3073)	(9.84)
25	**FUEL FACTOR ROUNDED TO NEAREST .001(¢/kWh)**									2.8150	3.1220	(0.3070)	(9.83)

Totals may not add due to rounding
* Included for informational purposes only.
** ¢/kWh calculation based on jurisdictional kWh sales.
Note: Amounts included in the Estimated/Actual column represent 6 months actual and 6 months estimate.

Jurisdictional Loss Multiplier	1.0012
Revenue Tax Factor	1.00072

SCHEDULE E-1C

GULF POWER COMPANY
CALCULATION OF GENERATING PERFORMANCE INCENTIVE FACTOR AND TRUE-UP FACTOR

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

Line No.	Description		Annual Total
1	TOTAL AMOUNT OF ADJUSTMENTS:		
A	Generating Performance Incentive Reward/(Penalty)	$	62,232
B	True-up (Over)/Under Recovered	$	1,099,690
2	Jurisdictional MWh sales		
	For the period: January 2021 - December 2021		10,730,068
3	ADJUSTMENT FACTORS (¢ per kWh):		
A	Generating Performance Incentive Factor		0.0006
B	True-up Factor		0.0102

SCHEDULE E-1D

GULF POWER COMPANY
DETERMINATION OF FUEL RECOVERY FACTOR
TIME OF USE RATE SCHEDULES

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

Net Energy For Load %

On-Peak	28.99
Off-Peak	71.01
	100.00

	AVERAGE	ON-PEAK	OFF-PEAK
Cost per kWh Sold	3.0366	3.5016	2.8468
Jurisdictional Loss Factor	1.0012	1.0012	1.0012
Jurisdictional Fuel Factor	3.0402	3.5058	2.8502
GPIF	0.0006	0.0006	0.0006
True-Up	0.0102	0.0102	0.0102
TOTAL	3.0510	3.5166	2.861
Revenue Tax Factor	1.00072	1.00072	1.00072
Recovery Factor	3.0532	3.5191	2.8631
Recovery Factor (Rounded to the nearest .001 ¢/kWh)	3.053	3.519	2.863

HOURS:	ON-PEAK	25.18%
	OFF-PEAK	74.82%
		100.00%

SCHEDULE E-1E

GULF POWER COMPANY
FUEL RECOVERY FACTORS - BY RATE GROUP
(ADJUSTED FOR LINE/TRANSFORMATION LOSSES)

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)		(6)	(7)	(8)
						Time Of Use		
Groups	Rate Schedules	Average Factor	Fuel Recovery LossMultipliers	Fuel Recovery Factor		Groups	Time of Use	Factor
A	RS, RSVP, RSTOU	3.053	1.00555	3.070		A	On-Peak	3.539
A	GS, GSD, GSDT, GSTOU	3.053	1.00555	3.070			Off-Peak	2.879
A	OSIII	3.053	1.00555	3.070				
A	SBS (1)	3.053	1.00555	3.070				
B	LP, LPT, SBS (2)	3.053	0.99188	3.028		B	On-Peak	3.490
							Off-Peak	2.840
C	PX,PXT, RTP, SBS (3)	3.053	0.97668	2.982		C	On-Peak	3.437
C	RTP	3.053	0.97668	2.982			Off-Peak	2.796
D	OS-I/II	3.053	1.00560	3.045	*	D	On-Peak	N/A
							Off-Peak	N/A

Group D Calculation

* D	On-Peak	3.519	¢ / kWh	x	0.2518	=	0.886 ¢ / kWh
	Off-Peak	2.863	¢ / kWh	x	0.7482	=	2.142 ¢ / kWh
							3.028 ¢ / kWh
			Line Loss Multiplier			x	1.00560
							3.045 ¢ / kWh

(1) Includes SBS customers with a Contract Demand in the range of 100 to 499 kW
(2) Includes SBS customers with a Contract Demand in the range of 500 to 7,499 kW
(3) Includes SBS customers with a Contract Demand over 7,499 kW

SCHEDULE E-2

GULF POWER COMPANY
FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
		ESTIMATED												
LINE	LINE DESCRIPTION	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
	$													
1	Fuel Cost of System Generation	19,551,837	11,931,933	18,893,026	19,494,337	19,680,388	28,752,644	30,482,921	30,666,677	20,528,208	18,031,651	12,852,357	15,898,690	246,764,669
1a	Other Generation	263,627	238,164	263,627	255,121	263,627	255,148	263,627	263,627	255,121	263,627	255,121	264,010	3,104,447
2	Fuel Cost of Power Sold	(10,275,188)	(4,937,539)	(13,450,164)	(7,059,738)	(10,200,502)	(15,785,156)	(16,371,774)	(16,461,809)	(9,425,256)	(4,413,291)	(8,788,209)	(8,280,946)	(125,449,572)
3	Fuel Cost of Purchased Power	18,699,713	16,931,788	19,634,187	11,867,937	18,359,166	18,725,073	19,068,786	19,212,322	18,911,369	12,484,484	19,401,385	17,024,483	210,320,693
3a	Demand & Non-Fuel Cost of Pur Powe	0	0	0	0	0	0	0	0	0	0	0	0	0
3b	Qualifying Facilities	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Energy Cost of Economy Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Hedging Settlement	0	0	0	0	0	0	0	0	0	0	0	0	0
6	**Total Fuel & Net Power Trans.** (Sum of Lines 1 - 5)	28,239,989	24,164,346	25,340,676	24,557,657	28,102,679	31,947,709	33,443,560	33,680,817	30,269,442	26,366,471	23,720,654	24,906,237	334,740,237
7	System MWh Sold	899,550	766,310	754,343	758,945	933,362	1,084,176	1,186,818	1,172,750	1,018,344	857,782	750,363	840,611	11,023,354
7a	Jurisdictional % of Total Sales	97.0436	97.2001	97.1716	97.3442	97.3627	97.4566	97.5170	97.5320	97.4926	97.4469	97.2058	97.0569	97.3394
8	Cost per kWh Sold (¢/kWh)	3.1393	3.1533	3.3593	3.2358	3.0109	2.9467	2.8179	2.8720	2.9724	3.0738	3.1612	2.9629	3.0366
8a	Jurisdictional Loss Multiplier	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012	1.0012
8b	Jurisdictional Cost (¢/kWh)	3.1431	3.1571	3.3633	3.2396	3.0145	2.9503	2.8213	2.8754	2.9760	3.0775	3.1650	2.9664	3.0403
9	GPIF (¢/kWh) *	0.0006	0.0007	0.0007	0.0007	0.0006	0.0005	0.0004	0.0005	0.0005	0.0006	0.0007	0.0006	0.0006
10	True-Up (¢/kWh) *	0.0105	0.0123	0.0125	0.0124	0.0101	0.0087	0.0079	0.0080	0.0092	0.0110	0.0126	0.0112	0.0102
11	TOTAL	3.1542	3.1701	3.3765	3.2527	3.0252	2.9595	2.8297	2.8839	2.9858	3.0891	3.1783	2.9783	3.0511
12	Revenue Tax Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
13	Recovery Factor Adjusted for Taxes	3.1565	3.1724	3.3789	3.2550	3.0274	2.9616	2.8317	2.8860	2.9879	3.0913	3.1806	2.9804	3.0533
14	**Recovery Factor Rounded to the Nearest .001 ¢/kWh**	3.157	3.172	3.379	3.255	3.027	2.962	2.832	2.886	2.988	3.091	3.181	2.980	3.053

* Calculations Based on Jurisdictional kWh Sales

GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY

Schedule E-3
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PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(2) (3) Description	(4) January Estimated	(5) February Estimated	(6) March Estimated	(7) April Estimated	(8) May Estimated	(9) June Estimated	(10) July Estimated	(11) August Estimated	(12) September Estimated	(13) October Estimated	(14) November Estimated	(15) December Estimated	(16) 12 Month Period
	FUEL COST - NET GEN. ($)													
1	LIGHTER OIL (B.L.)	48,193	30,630	43,247	43,269	48,106	48,045	47,988	47,936	47,887	25,786	43,329	47,826	522,242
2	COAL	4,294,712	2,639,652	4,297,188	2,765,400	3,064,761	5,870,733	6,098,826	6,243,822	3,427,375	2,851,724	2,522,613	3,008,751	47,085,557
2a	Coal at Scherer	841,797	8,151	0	0	790,691	1,743,390	2,058,014	1,942,661	1,194,283	0	0	651,035	9,230,022
3	GAS - Generation	14,556,360	9,424,394	14,741,816	16,868,729	15,966,055	21,000,699	22,467,318	22,607,669	16,041,724	15,343,366	10,469,476	12,363,692	191,851,298
4	GAS (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
5	LANDFILL GAS	74,402	67,270	74,402	72,060	74,402	330,993	74,402	74,402	72,060	74,402	72,060	74,614	1,135,469
6	OIL - C.T.	0	0	0	0	0	13,932	0	13,814	0	0	0	16,782	44,528
7	TOTAL ($)	19,815,464	12,170,097	19,156,653	19,749,458	19,944,015	29,007,792	30,746,548	30,930,304	20,783,329	18,295,278	13,107,478	16,162,700	249,869,116
	SYSTEM NET GEN. (MWh)													
8	LIGHTER OIL (B.L.)	0	0	0	0	0	0	0	0	0	0	0	0	0
9	COAL	153,924	93,571	145,743	95,700	103,831	203,843	213,550	216,725	118,245	96,528	84,674	102,870	1,629,204
9a	Coal at Scherer	28,317	254	0	0	25,085	55,150	66,624	64,530	38,839	0	0	21,266	300,065
10	GAS	553,785	340,930	587,538	691,526	660,317	843,712	888,642	887,144	622,308	616,015	425,891	504,836	7,622,644
11	LANDFILL GAS	2,097	1,896	2,097	2,031	2,097	2,031	2,097	2,097	2,031	2,097	2,031	2,103	24,705
12	OIL - C.T.	0	0	0	0	0	64	0	64	0	0	0	80	208
13	Solar	11,580	11,925	16,590	17,970	20,470	18,858	19,415	18,294	16,424	47,672	37,361	29,552	266,111
14	TOTAL (MWH)	749,703	448,576	751,968	807,227	811,800	1,123,658	1,190,328	1,188,854	797,847	762,312	549,957	660,707	9,842,937
	UNITS OF FUEL BURNED													
15	LIGHTER OIL (BBL)	830	521	762	762	830	830	830	830	830	454	762	830	9,071
16	COAL (TON)	87,486	54,163	88,755	57,432	62,283	117,650	120,902	122,742	66,943	56,074	50,346	60,437	945,213
17	GAS-all (MCF) (1)	4,304,941	2,704,991	4,611,418	5,501,890	5,154,646	7,161,221	7,552,232	7,581,431	5,156,701	4,807,196	3,417,782	3,890,535	61,844,984
18	OIL - C.T. (BBL)	0	0	0	0	0	154	0	154	0	0	0	189	497
	BTUS BURNED (MMBtu)													
19	COAL + GAS B.L. + OIL B.L.	1,893,902	976,503	1,587,679	1,025,173	1,411,675	2,763,127	2,944,416	2,940,296	1,657,502	1,016,487	909,406	1,327,047	20,453,213
20	GAS-Generation (1)	4,391,040	2,759,092	4,703,647	5,611,928	5,257,738	7,304,445	7,703,277	7,733,060	5,259,835	4,903,340	3,486,137	3,968,346	63,081,885
21	OIL - C.T.	0	0	0	0	0	900	0	900	0	0	0	1,105	2,905
22	TOTAL (MMBtu) (1)	6,284,942	3,735,595	6,291,326	6,637,101	6,669,413	10,068,472	10,647,693	10,674,256	6,917,337	5,919,827	4,395,543	5,296,498	83,538,003

(1) Data excludes Landfill Gas and Gulf's CT in Santa Rosa County because MCF and MMBtus are not available due to contract specifications.

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GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
GULF POWER COMPANY

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PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(2) (3) Description	(4) January Estimated	(5) February Estimated	(6) March Estimated	(7) April Estimated	(8) May Estimated	(9) June Estimated	(10) July Estimated	(11) August Estimated	(12) September Estimated	(13) October Estimated	(14) November Estimated	(15) December Estimated	(16) 12 Month Period
	GENERATION MIX (% MWh)													
23	LIGHTER OIL (B.L.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	COAL	24.31	20.92	19.38	11.85	15.88	23.04	23.53	23.65	19.69	12.66	15.40	18.79	19.61
25	GAS-Generation	73.87	76.00	78.13	85.67	81.34	75.09	74.66	74.62	78.00	80.81	77.44	76.41	77.44
26	LANDFILL GAS	0.28	0.42	0.28	0.25	0.26	0.18	0.18	0.18	0.25	0.28	0.37	0.32	0.25
27	OIL - C.T.	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
28	Solar	1.54	2.66	2.21	2.23	2.52	1.68	1.63	1.54	2.06	6.25	6.79	4.47	2.70
29	TOTAL (% MWH)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
	FUEL COST ($ / Unit)													
30	LIGHTER OIL ($/BBL)	58.06	58.79	56.75	56.78	57.96	57.89	57.82	57.75	57.70	56.80	56.86	57.62	57.57
31	COAL ($/TON)	49.09	48.74	48.42	48.15	49.21	49.90	50.44	50.87	51.20	50.86	50.11	49.78	49.81
32	GAS + B.L. ($/MCF) (1)	3.32	3.40	3.14	3.02	3.05	2.90	2.94	2.95	3.06	3.14	2.99	3.11	3.05
33	OIL - C.T.	0.00	0.00	0.00	0.00	0.00	90.47	0.00	89.70	0.00	0.00	0.00	88.79	89.59
	FUEL COST ($ / MMBtu)													
34	COAL + GAS B.L. + OIL B.L.	2.74	2.74	2.73	2.74	2.77	2.77	2.79	2.80	2.82	2.83	2.82	2.79	2.78
35	GAS-Generation (1)	3.25	3.33	3.08	2.96	2.99	2.84	2.88	2.89	3.00	3.08	2.93	3.05	2.99
36	OIL - C.T.	0.00	0.00	0.00	0.00	0.00	15.48	0.00	15.35	0.00	0.00	0.00	15.19	15.33
37	TOTAL ($/MMBtu) (1)	3.10	3.18	2.99	2.93	2.94	2.82	2.86	2.87	2.96	3.03	2.91	2.99	2.94
	BTU BURNED (Btu / kWh)													
38	COAL + GAS B.L. + OIL B.L.	10,392	10,408	10,894	10,712	10,950	10,669	10,509	10,454	10,552	10,530	10,740	10,690	10,602
39	GAS-Generation (1)	8,070	8,305	8,139	8,226	8,080	8,754	8,764	8,813	8,581	8,086	8,369	8,014	8,401
40	OIL - C.T.	0	0	0	0	0	14,063	0	14,063	0	0	0	13,813	13,966
41	TOTAL (Btu/kWh) (1)	8,517	8,529	8,499	8,339	8,336	9,052	9,034	9,068	8,795	7,887	8,161	8,162	8,608
	FUEL COST (Cents / kWh)													
42	COAL + GAS B.L. + OIL B.L.	2.84	2.85	2.98	2.93	3.03	2.96	2.93	2.93	2.97	2.98	3.03	2.99	2.95
43	GAS-Generation	2.63	2.76	2.51	2.44	2.42	2.49	2.53	2.55	2.58	2.49	2.46	2.45	2.52
44	LANDFILL GAS	3.55	3.55	3.55	3.55	3.55	16.30	3.55	3.55	3.55	3.55	3.55	3.55	4.60
45	OIL - C.T.	0.00	0.00	0.00	0.00	0.00	21.77	0.00	21.58	0.00	0.00	0.00	20.98	21.41
46	TOTAL (¢/kWh)	2.64	2.71	2.55	2.45	2.46	2.58	2.58	2.60	2.60	2.40	2.38	2.45	2.54

(1) Data excludes Landfill Gas and Gulf's CT in Santa Rosa County because MCF and MMBtus are not available due to contract specifications.

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: JANUARY 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	100.0%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	73,296	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	56.0%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,600					265,835	1,020	271,152	862,321	4.64	3.24
9	Gas-S												
10	Oil-S												
11	Crist 6	299		27.3%	98.5%	29.2%	13,352						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		60,793					795,786	1,020	811,702	2,435,267	4.01	3.06
14	Gas-S												
15	Oil-S												
16	Crist 7	475		6.0%	98.8%	31.5%	12,454						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		21,369					260,910	1,020	266,128	847,702	3.97	3.25
19	Gas-S												
20	Oil-S												
21	Smith 3	650	443,384	91.7%	97.4%	95.0%	6,861						
22	Gas-G							2,982,410	1,020	3,042,058	10,074,147	2.27	3.38
23	Smith A	40	0	0.0%	98.4%	10.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	28,317	4.4%	99.6%	46.5%	11,086						
26	Coal							18,656	8,414	313,923	841,797	2.97	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	11,580	20.9%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	38,295	20.5%	98.4%	73.4%	10,031						
39	Coal							21,336	9,002	384,139	1,047,391	2.74	49.09
40	Oil-S												
41	Daniel 2	251	115,629	61.9%	100.0%	66.1%	10,300						
42	Coal							66,150	9,002	1,190,981	3,247,321	2.81	49.09
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	48,193	N/A	58.06
48	Total	3,054	749,703	33.0	96.4%	54%	8,652			6,284,942	19,815,464	2.64	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **19,815,464** **2.64**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: FEBRUARY 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	100.0%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	66,203	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		32.2%	99.9%	60.3%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		16,800					240,109	1,020	244,912	770,152	4.58	3.21
9	Gas-S												
10	Oil-S												
11	Crist 6	299		25.9%	98.4%	27.5%	13,651						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		53,913					721,530	1,020	735,961	2,181,575	4.05	3.02
14	Gas-S												
15	Oil-S												
16	Crist 7	475		0.0%	80.8%	20.0%	14,611						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		95					1,361	1,020	1,388	70,192	73.89	51.57
19	Gas-S												
20	Oil-S												
21	Smith 3	650	261,414	57.8%	65.3%	94.4%	6,797						
22	Gas-G							1,741,991	1,020	1,776,831	6,098,108	2.33	3.50
23	Smith A	40	0	0.0%	97.8%	0.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	254	0.0%	99.6%	29.5%	11,929						
26	Coal							180	8,411	3,030	8,151	3.21	N/A
27	Oil												
28	Other Generation		8,708										
29	Gas										238,164	2.74	N/A
30	Perdido		1,896										
31	Landfill Gas										67,270	3.55	N/A
32	Blue Indigo	74.5	11,925	23.0%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	0	0.0%	100.0%	0.0%	N/A						
39	Coal							0	0	0	0	N/A	N/A
40	Oil-S												
41	Daniel 2	251	93,571	53.6%	100.0%	62.1%	10,371						
42	Coal							54,163	1,020	970,421	2,639,652	2.82	48.74
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							521	139,400	3,052	30,630	N/A	58.79
48	Total	3,054	448,576	21.1	86.9%	41%	8,768			3,735,595	12,170,097	2.71	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **12,170,097** **2.71**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: MARCH 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	80.6%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	73,296	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	70.7%	0.0%	14,579						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,599					265,835	1,020	271,152	820,103	4.41	3.09
9	Gas-S												
10	Oil-S												
11	Crist 6	299		2.0%	56.6%	28.9%	15,619						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		4,404					67,439	1,020	68,788	262,752	5.97	3.90
14	Gas-S												
15	Oil-S												
16	Crist 7	475		27.4%	95.6%	30.0%	12,630						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		96,951					1,200,485	1,020	1,224,495	3,445,800	3.55	2.87
19	Gas-S												
20	Oil-S												
21	Smith 3	664	457,945	92.7%	100.0%	95.1%	6,855						
22	Gas-G							3,077,659	1,020	3,139,212	9,876,238	2.16	3.21
23	Smith A	36	0	0.0%	98.1%	6.7%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	0	0.0%	61.0%	0.0%	N/A						
26	Coal							0	0	0	0	N/A	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	16,590	29.9%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	81,673	43.7%	98.5%	47.6%	11,468						
39	Coal							52,507	8,919	936,621	2,542,193	3.11	48.42
40	Oil-S												
41	Daniel 2	251	64,070	34.3%	100.0%	60.6%	10,092						
42	Coal							36,248	8,919	646,594	1,754,995	2.74	48.42
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							762	139,400	4,464	43,247	N/A	56.75
48	Total	3,064	751,968	33.0	80.3%	37%	8,694			6,291,326	19,156,653	2.55	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **19,156,653** **2.55**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: APRIL 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	93.3%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	70,931	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	86.3%	0.0%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,000					257,260	1,020	262,405	717,577	3.99	2.79
9	Gas-S												
10	Oil-S												
11	Crist 6	299		0.0%	5.1%	0.0%	-						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		0					0	0	0	70,931	N/A	N/A
14	Gas-S												
15	Oil-S												
16	Crist 7	475		59.3%	98.8%	60.4%	10,797						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		202,742					2,146,089	1,020	2,189,011	5,465,311	2.70	2.55
19	Gas-S												
20	Oil-S												
21	Smith 3	664	461,456	96.5%	100.0%	97.5%	6,849						
22	Gas-G							3,098,541	1,020	3,160,512	10,288,858	2.23	3.32
23	Smith A	36	0	0.0%	98.5%	0.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	0	0.0%	93.1%	0.0%	N/A						
26	Coal							0	0	0	0	N/A	N/A
27	Oil												
28	Other Generation		9,328										
29	Gas										255,121	2.74	N/A
30	Perdido		2,031										
31	Landfill Gas										72,060	3.55	N/A
32	Blue Indigo	74.5	17,970	33.5%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	37,123	20.5%	98.5%	44.0%	10,992						
39	Coal							22,960	8,886	408,057	1,105,546	2.98	48.15
40	Oil-S												
41	Daniel 2	251	58,577	32.4%	80.0%	68.0%	10,459						
42	Coal							34,472	8,886	612,652	1,659,854	2.83	48.15
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							762	139,400	4,464	43,269	N/A	56.78
48	Total	3,064	807,227	36.6	83.9%	40%	8,532			6,637,101	19,749,458	2.45	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **19,749,458** **2.45**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: MAY 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	97.3%	56.9%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	73,296	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		25.8%	99.9%	66.7%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		14,400					205,808	1,020	209,924	585,700	4.07	2.85
9	Gas-S												
10	Oil-S												
11	Crist 6	299		50.4%	98.5%	52.3%	11,301						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		112,088					1,241,864	1,020	1,266,701	3,165,186	2.82	2.55
14	Gas-S												
15	Oil-S												
16	Crist 7	475		14.4%	60.1%	69.4%	10,599						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		50,790					527,768	1,020	538,323	1,387,288	2.73	2.63
19	Gas-S												
20	Oil-S												
21	Smith 3	664	473,400	95.8%	100.0%	96.9%	6,850						
22	Gas-G							3,179,206	1,020	3,242,790	10,490,958	2.22	3.30
23	Smith A	36	0	0.0%	98.4%	10.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	25,085	3.9%	99.6%	33.4%	11,646						
26	Coal							17,378	8,405	292,143	790,691	3.15	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	20,470	36.9%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	71,407	38.2%	98.5%	47.4%	10,807						
39	Coal							43,119	8,948	771,694	2,121,750	2.97	49.21
40	Oil-S												
41	Daniel 2	251	32,424	17.4%	41.8%	53.8%	10,578						
42	Coal							19,164	8,948	342,979	943,011	2.91	49.21
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	48,106	N/A	57.96
48	Total	3,064	811,800	35.6	86.1%	58%	8,555			6,669,413	19,944,015	2.46	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **19,944,015** **2.46**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: JUNE 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	97.2%	57.5%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	32,906	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	66.4%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,000					257,260	1,020	262,405	683,829	3.80	2.66
9	Gas-S												
10	Oil-S												
11	Crist 6	299		62.2%	98.5%	63.6%	10,882						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		133,800					1,427,460	1,020	1,456,009	3,644,682	2.72	2.55
14	Gas-S												
15	Oil-S												
16	Crist 7	475		66.8%	98.8%	68.1%	10,826						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		228,616					2,426,470	1,020	2,474,999	6,172,389	2.70	2.54
19	Gas-S												
20	Oil-S												
21	Smith 3	668	453,967	94.4%	100.0%	95.4%	6,853						
22	Gas-G							3,050,031	1,020	3,111,032	10,211,745	2.25	3.35
23	Smith A	32	64	0.3%	97.6%	0.0%	14,063						
24	Oil-G							154	139,400	900	13,932	21.77	90.61
25	Scherer 3	863	55,150	8.9%	99.6%	39.1%	11,661						
26	Coal							38,264	8,404	643,106	1,743,390	3.16	N/A
27	Oil												
28	Other Generation		9,329										
29	Gas										255,148	2.73	N/A
30	Perdido		2,031										
31	Landfill Gas										330,993	16.30	N/A
32	Blue Indigo	74.5	18,858	35.2%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	82,888	45.9%	98.5%	57.2%	10,558						
39	Coal							48,677	8,989	875,130	2,428,965	2.93	49.90
40	Oil-S												
41	Daniel 2	251	120,955	66.9%	100.0%	69.2%	10,252						
42	Coal							68,973	8,989	1,240,032	3,441,768	2.85	49.90
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	48,045	N/A	57.89
48	Total	3,064	1,123,658	50.9	96.9%	62%	9,208			10,068,472	29,007,792	2.58	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **29,007,792** **2.58**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: JULY 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	97.3%	57.5%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	34,003	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.6%	63.6%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,600					265,835	1,020	271,152	719,855	3.87	2.71
9	Gas-S												
10	Oil-S												
11	Crist 6	299		64.0%	98.5%	65.5%	10,827						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		142,448					1,512,046	1,020	1,542,287	3,935,064	2.76	2.60
14	Gas-S												
15	Oil-S												
16	Crist 7	475		69.8%	98.8%	71.0%	10,572						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		246,542					2,555,339	1,020	2,606,446	6,626,748	2.69	2.59
19	Gas-S												
20	Oil-S												
21	Smith 3	668	471,413	94.9%	99.7%	95.8%	6,965						
22	Gas-G							3,219,012	1,020	3,283,392	10,888,021	2.31	3.38
23	Smith A	32	0	0.0%	98.4%	0.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	66,624	10.4%	99.3%	42.1%	11,380						
26	Coal							45,117	8,402	758,178	2,058,014	3.09	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	19,415	35.0%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	81,128	43.4%	98.5%	63.3%	10,239						
39	Coal							46,040	9,021	830,673	2,322,444	2.86	50.44
40	Oil-S												
41	Daniel 2	251	132,422	70.9%	100.0%	73.4%	10,200						
42	Coal							74,862	9,021	1,350,706	3,776,382	2.85	50.44
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	47,988	N/A	57.82
48	Total	3,064	1,190,328	52.2	96.8%	64%	9,186			10,647,693	30,746,548	2.58	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **30,746,548** **2.58**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: AUGUST 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		9%	97.3%	56.9%	14,953						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		5,075					74,399	1,020	75,887	226,574	4.46	3.05
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	62.6%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,600					265,835	1,020	271,152	722,079	3.88	2.72
9	Gas-S												
10	Oil-S												
11	Crist 6	299		63.8%	98.5%	65.3%	10,831						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		142,024					1,508,099	1,020	1,538,261	3,937,494	2.77	2.61
14	Gas-S												
15	Oil-S												
16	Crist 7	475		68.2%	98.8%	69.4%	10,600						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		240,963					2,504,130	1,020	2,554,213	6,515,574	2.70	2.60
19	Gas-S												
20	Oil-S												
21	Smith 3	668	470,843	94.7%	100.0%	95.6%	6,995						
22	Gas-G							3,228,968	1,020	3,293,547	10,942,321	2.32	3.39
23	Smith A	32	64	0.3%	98.3%	10.0%	14,063						
24	Oil-G							154	139,400	900	13,814	21.58	89.84
25	Scherer 3	863	64,530	10.1%	99.6%	46.9%	11,076						
26	Coal							42,539	8,401	714,728	1,942,661	3.01	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	18,294	33.0%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	87,596	46.9%	98.5%	61.5%	10,283						
39	Coal							49,786	9,046	900,750	2,532,580	2.89	50.87
40	Oil-S												
41	Daniel 2	251	129,129	69.1%	100.0%	71.6%	10,222						
42	Coal							72,956	9,046	1,319,959	3,711,242	2.87	50.87
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	47,936	N/A	57.75
48	Total	3,064	1,188,854	52.2	96.9%	65%	9,211			10,674,256	30,930,304	2.60	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **30,930,304** **2.60**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: SEPTEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	96.8%	57.2%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	32,906	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	61.4%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,000					257,260	1,020	262,405	693,170	3.85	2.69
9	Gas-S												
10	Oil-S												
11	Crist 6	299		5.9%	58.5%	59.2%	11,022						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		12,746					137,733	1,020	140,488	386,402	3.03	2.81
14	Gas-S												
15	Oil-S												
16	Crist 7	475		64.2%	98.8%	65.4%	10,679						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		219,564					2,298,752	1,020	2,344,727	5,932,708	2.70	2.58
19	Gas-S												
20	Oil-S												
21	Smith 3	668	362,670	75.4%	80.0%	95.2%	6,927						
22	Gas-G							2,462,956	1,020	2,512,215	8,741,417	2.41	3.55
23	Smith A	32	0	0.0%	98.5%	10.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	38,839	6.3%	99.7%	40.5%	11,300						
26	Coal							26,125	8,400	438,881	1,194,283	3.07	N/A
27	Oil												
28	Other Generation		9,328										
29	Gas										255,121	2.74	N/A
30	Perdido		2,031										
31	Landfill Gas										72,060	3.55	N/A
32	Blue Indigo	74.5	16,424	30.6%									
33	Solar										0	0.00	N/A
34	Blue Springs	0	0										
35	Solar										0	0.00	N/A
36	Hatcher	0	0										
37	Solar										0	0.00	N/A
38	Daniel 1	251	6,744	3.7%	58.5%	54.8%	10,492						
39	Coal							3,903	9,066	70,761	199,811	2.96	51.19
40	Oil-S												
41	Daniel 2	251	111,501	61.7%	100.0%	69.3%	10,251						
42	Coal							63,040	9,066	1,143,001	3,227,564	2.89	51.20
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	47,887	N/A	57.70
48	Total	3,064	797,847	36.2	85.4%	61%	8,983			6,917,337	20,783,329	2.60	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **20,783,329** **2.60**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: OCTOBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	96.1%	56.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	34,003	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	0.0%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,600					265,835	1,020	271,152	720,127	3.87	2.71
9	Gas-S												
10	Oil-S												
11	Crist 6	299		0.0%	53.4%	0.0%	-						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		0					0	0	0	34,003	N/A	N/A
14	Gas-S												
15	Oil-S												
16	Crist 7	475		44.4%	98.8%	45.2%	10,979						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		156,872					1,688,523	1,020	1,722,293	4,392,093	2.80	2.60
19	Gas-S												
20	Oil-S												
21	Smith 3	664	430,904	87.2%	90.3%	97.4%	6,753						
22	Gas-G							2,852,838	1,020	2,909,895	9,899,513	2.30	3.47
23	Smith A	36	0	0.0%	98.4%	0.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	0	0.0%	99.7%	0.0%	N/A						
26	Coal							0	0	0	0	N/A	N/A
27	Oil												
28	Other Generation		9,639										
29	Gas										263,627	2.74	N/A
30	Perdido		2,097										
31	Landfill Gas										74,402	3.55	N/A
32	Blue Indigo	74.5	15,891	28.7%									
33	Solar										0	0.00	N/A
34	Blue Springs	74.5	15,890	28.7%									
35	Solar										0	0.00	N/A
36	Hatcher	74.5	15,891	28.7%									
37	Solar										0	0.00	N/A
38	Daniel 1	251	0	0.0%	77.4%	0.0%	N/A						
39	Coal							0	0	0	0	N/A	N/A
40	Oil-S												
41	Daniel 2	251	96,528	51.7%	100.0%	56.5%	10,503						
42	Coal							56,074	9,040	1,013,830	2,851,724	2.95	50.86
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							454	139,400	2,657	25,786	N/A	56.80
48	Total	3,213	762,312	31.9	84.6%	33%	8,058			5,919,827	18,295,278	2.40	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **18,295,278** **2.40**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: NOVEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	100.0%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	32,906	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	0.0%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,000					257,260	1,020	262,405	709,991	3.94	2.76
9	Gas-S												
10	Oil-S												
11	Crist 6	299		21.2%	98.5%	31.3%	13,025						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		45,719					583,817	1,020	595,493	1,569,457	3.43	2.69
14	Gas-S												
15	Oil-S												
16	Crist 7	475		10.5%	68.6%	35.0%	11,295						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		35,904					397,587	1,020	405,539	1,079,319	3.01	2.71
19	Gas-S												
20	Oil-S												
21	Smith 3	664	316,940	66.3%	69.2%	96.8%	7,013						
22	Gas-G							2,179,118	1,020	2,222,700	6,822,682	2.15	3.13
23	Smith A	36	0	0.0%	98.3%	0.0%	N/A						
24	Oil-G							0	0	0	0	N/A	N/A
25	Scherer 3	863	0	0.0%	93.2%	0.0%	N/A						
26	Coal							0	0	0	0	N/A	N/A
27	Oil												
28	Other Generation		9,328										
29	Gas										255,121	2.74	N/A
30	Perdido		2,031										
31	Landfill Gas										72,060	3.55	N/A
32	Blue Indigo	74.5	12,454	23.2%									
33	Solar										0	0.00	N/A
34	Blue Springs	74.5	12,454	23.2%									
35	Solar										0	0.00	N/A
36	Hatcher	74.5	12,453	23.2%									
37	Solar										0	0.00	N/A
38	Daniel 1	251	8,725	4.8%	98.5%	28.3%	11,848						
39	Coal							5,751	8,987	103,377	288,173	3.30	50.11
40	Oil-S												
41	Daniel 2	251	75,949	42.0%	100.0%	54.6%	10,554						
42	Coal							44,595	8,987	801,565	2,234,440	2.94	50.11
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							762	139,400	4,464	43,329	N/A	56.86
48	Total	3,213	549,957	23.8	79.9%	35%	8,354			4,395,543	13,107,478	2.38	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **13,107,478** **2.38**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0%	100.0%	0.0%	0						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		0					0	0	0	34,003	N/A	N/A
4	Gas-S												
5	Oil-S												
6	Crist 5	75		33.3%	99.9%	0.0%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		18,600					265,835	1,020	271,152	770,615	4.14	2.90
9	Gas-S												
10	Oil-S												
11	Crist 6	299		32.3%	98.7%	33.0%	12,805						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		71,762					900,890	1,020	918,908	2,530,309	3.53	2.81
14	Gas-S												
15	Oil-S												
16	Crist 7	475		0.0%	71.0%	0.0%	0						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		0					0	0	0	34,003	N/A	N/A
19	Gas-S												
20	Oil-S												
21	Smith 3	650	404,821	83.7%	89.1%	94.1%	6,863						
22	Gas-G							2,723,810	1,020	2,778,286	8,730,752	2.16	3.21
23	Smith A	40	80	0.3%	98.1%	0.0%	13,813						
24	Oil-G							189	139,400	1,105	16,782	20.98	88.93
25	Scherer 3	863	21,266	3.3%	99.7%	42.5%	11,221						
26	Coal							14,208	8,398	238,625	651,035	3.06	N/A
27	Oil												
28	Other Generation		9,653										
29	Gas										264,010	2.74	N/A
30	Perdido		2,103										
31	Landfill Gas										74,614	3.55	N/A
32	Blue Indigo	74.5	9,850	17.8%									
33	Solar										0	0.00	N/A
34	Blue Springs	74.5	9,851	17.8%									
35	Solar										0	0.00	N/A
36	Hatcher	74.5	9,851	17.8%									
37	Solar										0	0.00	N/A
38	Daniel 1	251	13,598	7.3%	98.5%	56.4%	10,437						
39	Coal							7,916	8,964	141,924	394,083	2.90	49.78
40	Oil-S												
41	Daniel 2	251	89,272	47.8%	100.0%	54.8%	10,548						
42	Coal							52,521	8,964	941,639	2,614,668	2.93	49.78
43	Oil-S							0	0	0	0		
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							830	139,400	4,859	47,826	N/A	57.62
48	Total	3,203	660,707	27.7	86.2%	42%	8,287			5,296,498	16,162,700	2.45	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **16,162,700** **2.45**

GULF POWER COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE MONTH OF: JANUARY - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Line No.	Plant/Unit & Fuel Type	Net Cap. (MW)	Net Gen. (MWh)	Cap. Factor (%)	Equiv. Avail. Factor (%)	Net Output Factor (%)	Avg. Net Heat Rate (Btu/kWh)	Fuel Burned Units (Tons/MCF/Bbl)	Fuel Heat Value (lbs./cf/Gal.)	Fuel Burned (MMBtu)	Fuel Burned Cost ($)	Fuel Cost/kWh (¢/kWh)	Fuel Cost/Unit ($/Unit)
1	Crist 4	75		0.8%	96.3%	57.7%	14,953						
2	Coal		0					0	0	0	0	N/A	N/A
3	Gas-G		5,075					74,399	1,020	75,887	784,323	15.45	10.54
4	Gas-S												
5	Oil-S												
6	Crist 5	75		32.6%	96.2%	61.1%	14,578						
7	Coal		0					0	0	0	0	N/A	N/A
8	Gas-G		214,799					3,069,967	1,020	3,131,368	8,775,519	4.09	2.86
9	Gas-S												
10	Oil-S												
11	Crist 6	299		29.7%	80.1%	46.9%	11,639						
12	Coal		0					0	0	0	0	N/A	N/A
13	Gas-G		779,697					8,896,664	1,020	9,074,598	24,153,122	3.10	2.71
14	Gas-S												
15	Oil-S												
16	Crist 7	475		36.0%	89.0%	57.3%	10,882						
17	Coal		0					0	0	0	0	N/A	N/A
18	Gas-G		1,500,408					16,007,414	1,020	16,327,562	41,969,127	2.80	2.62
19	Gas-S												
20	Oil-S												
21	Smith 3	662	5,009,157	86.2%	91.2%	95.9%	6,882	0		0	0		
22	Gas-G							33,796,540	1,020	34,472,470	113,064,760	2.26	3.35
23	Smith A	36	208	0.1%	98.2%	-10.6%	13,966				0		
24	Oil-G							496	139,400	2,905	44,528	21.41	89.73
25	Scherer 3	863	300,065	4.0%	95.3%	41.7%	11,340						
26	Coal		0					202,467	8,405	3,402,614	9,230,022	3.08	45.59
27	Oil												
28	Other Generation		113,508										
29	Gas									0	3,104,447	2.74	N/A
30	Perdido		24,705										
31	Landfill Gas									0	1,135,469	4.60	N/A
32	Blue Indigo	74.5	189,721	29.0%									
33	Solar										0	0.00	N/A
34	Blue Springs	18.6	38,195	23.3%									
35	Solar										0	0.00	N/A
36	Hatcher	18.6	38,195	23.3%									
37	Solar										0	0.00	N/A
38	Daniel 1	251	509,177	23.1%	93.5%	54.1%	10,651						
39	Coal		0					301,995	8,983	5,423,126	14,982,936	2.94	49.61
40	Oil-S												
41	Daniel 2	251	1,120,027	50.8%	93.4%	64.1%	10,334			0			
42	Coal		0					643,218	8,983	11,574,359	32,102,621	2.87	49.91
43	Oil-S												
44	Gas,BL												
45	Gas							0	0	0	0	N/A	N/A
46	Ltr. Oil												
47	Oil							9,072	139,400	53,114	522,242	N/A	57.57
48	Total	3,098	9,842,937	36.2	88.3%	57.7%	8,780			83,538,003	249,869,116	2.54	

Notes:
(1) Smith A uses lighter oil
(2) Represents Gulf's 25% ownership
(3) Represents Gulf's 50% Ownership

Recoverable Fuel **249,869,116** **2.54**

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2021 FCR Projection Filing
Exhibit RLH-5, Page 23 of 41

GULF POWER COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(3) (4) Description	(5) January Estimated	(6) February Estimated	(7) March Estimated	(8) April Estimated	(9) May Estimated	(10) June Estimated	(11) July Estimated	(12) August Estimated	(13) September Estimated	(14) October Estimated	(15) November Estimated	(16) December Estimated	(17) 12 Month Period
	LIGHT OIL													
1	*PURCHASES :*													
2	UNITS (BBL)	833	524	770	762	833	833	833	833	833	468	777	833	9,133
3	UNIT COST ($/BBL)	55.59	54.85	56.70	56.85	55.59	55.59	55.59	55.59	55.59	56.40	56.58	55.59	55.87
4	AMOUNT ($)	46,308	28,762	43,678	43,341	46,308	46,308	46,308	46,308	46,308	26,393	43,939	46,308	510,269
5	*BURNED :*													
6	UNITS (BBL)	830	521	762	762	830	830	830	830	830	454	762	830	9,071
7	UNIT COST ($/BBL)	58.06	58.79	56.75	56.78	57.96	57.89	57.82	57.75	57.70	56.80	56.86	57.62	57.57
8	AMOUNT ($)	48,193	30,630	43,247	43,269	48,106	48,045	47,988	47,936	47,887	25,786	43,329	47,826	522,242
9	*ENDING INVENTORY :*													
10	UNITS (BBL)	7,655	7,658	7,667	7,667	7,670	7,673	7,676	7,679	7,682	7,696	7,711	7,714	
11	UNIT COST ($/BBL)	56.08	55.81	55.81	55.82	55.56	55.31	55.07	54.84	54.61	54.59	54.57	54.35	
12	AMOUNT ($)	429,319	427,451	427,882	427,954	426,156	424,419	422,739	421,111	419,532	420,139	420,749	419,231	
13	DAYS SUPPLY:	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	COAL(EXCLUDING SCHERER)													
14	*PURCHASES :*													
15	UNITS (TONS)	64,000	64,000	80,000	88,000	100,000	100,000	100,000	100,000	100,000	94,000	88,000	48,000	1,026,000
16	UNIT COST ($/TON)	47.45	47.45	47.45	47.45	51.99	51.99	51.99	51.99	51.99	49.86	47.45	47.45	49.88
17	AMOUNT ($)	3,036,896	3,036,896	3,796,120	4,175,732	5,198,630	5,198,630	5,198,630	5,198,630	5,198,630	4,687,181	4,175,732	2,277,672	51,179,379
18	*BURNED :*													
19	UNITS (TONS)	87,486	54,163	88,755	57,432	62,283	117,650	120,902	122,742	66,943	56,074	50,346	60,437	945,213
20	UNIT COST ($/TON)	49.09	48.74	48.42	48.15	49.21	49.90	50.44	50.87	51.20	50.86	50.11	49.78	49.81
21	AMOUNT ($)	4,294,712	2,639,652	4,297,188	2,765,400	3,064,761	5,870,733	6,098,826	6,243,822	3,427,375	2,851,724	2,522,613	3,008,751	47,085,557
22	*ENDING INVENTORY :*													
23	UNITS (TONS)	243,659	253,496	244,741	275,309	313,026	295,376	274,474	251,732	284,789	322,715	360,369	347,932	
24	UNIT COST ($/TON)	14.63	15.63	14.14	17.69	22.38	21.44	19.79	17.43	21.63	24.77	26.77	25.63	
25	AMOUNT ($)	3,564,823	3,962,067	3,460,999	4,871,331	7,005,200	6,333,097	5,432,901	4,387,709	6,158,964	7,994,421	9,647,540	8,916,461	
26	DAYS SUPPLY:	15	16	15	17	20	19	17	16	18	20	23	22	

(1) Data excludes Gulf's CT in Santa Rosa County because MCF and MMBtus are not available due to contract specifications.

GULF POWER COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(3) (4) Description	(5) January Estimated	(6) February Estimated	(7) March Estimated	(8) April Estimated	(9) May Estimated	(10) June Estimated	(11) July Estimated	(12) August Estimated	(13) September Estimated	(14) October Estimated	(15) November Estimated	(16) December Estimated	(17) 12 Month Period
	COAL at Plant Scherer													
27	*PURCHASES :*													
28	UNITS (MMBTU)	601,353	555,581	538,349	529,320	555,581	610,381	555,581	601,353	564,610	575,092	555,581	555,609	6,798,391
29	UNIT COST ($/MMBTU)	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
30	AMOUNT ($)	1,654,775	1,528,500	1,481,843	1,456,641	1,528,500	1,679,977	1,528,500	1,654,775	1,553,703	1,582,915	1,528,500	1,528,577	18,707,206
31	*BURNED :*													
32	UNITS (MMBTU)	313,923	3,030	0	0	292,143	643,106	758,178	714,728	438,881	0	0	238,625	3,402,614
33	UNIT COST ($/MMBTU)	2.68	2.69	0.00	0.00	2.71	2.71	2.71	2.72	2.72	0.00	0.00	2.73	2.71
34	AMOUNT ($)	841,797	8,151	0	0	790,691	1,743,390	2,058,014	1,942,661	1,194,283	0	0	651,035	9,230,022
35	*ENDING INVENTORY :*													
36	UNITS (MMBTU)	4,318,860	4,871,411	5,409,760	5,939,080	6,202,518	6,169,793	5,967,196	5,853,821	5,979,550	6,554,642	7,110,223	7,427,207	
37	UNIT COST ($/MMBTU)	2.81	2.81	2.80	2.80	2.80	2.80	2.81	2.81	2.81	2.81	2.80	2.80	
38	AMOUNT ($)	12,152,597	13,672,946	15,154,789	16,611,430	17,349,239	17,285,826	16,756,312	16,468,426	16,827,846	18,410,761	19,939,261	20,816,803	
39	DAYS SUPPLY:	81	91	101	111	116	115	111	109	111	122	133	138	
	GAS (1)													
40	*BURNED :*													
41	UNITS (MMBtu)	4,391,040	2,759,092	4,703,647	5,611,928	5,257,738	7,304,445	7,703,277	7,733,060	5,259,835	4,903,340	3,486,137	3,968,346	63,081,885
42	UNIT COST ($/MMBtu)	3.25	3.33	3.08	2.96	2.99	2.84	2.88	2.89	3.00	3.08	2.93	3.05	2.99
43	AMOUNT ($)	14,292,733	9,186,230	14,478,189	16,613,608	15,702,428	20,745,551	22,203,691	22,344,042	15,786,603	15,079,739	10,214,355	12,099,682	188,746,851
	OTHER - C.T. OIL													
44	*PURCHASES :*													
45	UNITS (BBL)	0	0	0	0	0	154	0	154	0	0	0	189	496
46	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	56.61	0.00	56.61	0.00	0.00	0.00	56.61	56.64
47	AMOUNT ($)	0	0	0	0	0	8,705	0	8,705	0	0	0	10,684	28,094
48	*BURNED :*													
49	UNITS (BBL)	0.00	0.00	0.00	0.00	0.00	154.00	0.00	154.00	0	0.00	0.00	189.00	497
50	UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	90.47	0.00	89.70	0.00	0.00	0.00	88.79	89.59
51	AMOUNT ($)	0	0	0	0	0	13,932	0	13,814	0	0	0	16,782	44,528
52	*ENDING INVENTORY :*													
53	UNITS (BBL)	6,572	6,572	6,572	6,572	6,572	6,572	6,572	6,572	6,572	6,572	6,572	6,571	
54	UNIT COST ($/BBL)	92.52	92.52	92.52	92.52	92.52	91.73	91.73	90.96	90.96	90.96	90.96	90.03	
55	AMOUNT ($)	608,056	608,056	608,056	608,056	608,056	602,829	602,829	597,720	597,720	597,720	597,720	591,622	
56	HOURS SUPPLY:	75	75	75	75	75	75	75	75	75	75	75	75	

(1) Data excludes Gulf's CT in Santa Rosa County because MCF and MMBtus are not available due to contract specifications.

GULF POWER COMPANY
POWER SOLD

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)
					¢ / kWh			
Line No.	Month	Type	Total KWH Sold	KWH From Own Generation	Fuel Costs	Total Costs	Total $ for Fuel Adjustment	Total Cost ($)
	JANUARY							
1		Southern Co. Interchange	423,826,000	423,826,000	2.39	2.81	10,115,499	11,930,034
2		Economy Sales	6,701,000	6,701,000	2.38	2.76	159,689	184,757
3		Gain on Economy Sales	0	0	0.00	0.00	0	0
4		TOTAL ESTIMATED SALES	430,527,000	430,527,000	2.39	2.81	10,275,188	12,114,791
	FEBRUARY							
5		Southern Co. Interchange	210,419,000	210,419,000	2.24	2.70	4,719,141	5,678,377
6		Economy Sales	9,664,000	9,664,000	2.26	2.67	218,398	258,387
7		Gain on Economy Sales	0	0	0.00	0.00	0	0
8		TOTAL ESTIMATED SALES	220,083,000	220,083,000	2.24	2.70	4,937,539	5,936,764
	MARCH							
9		Southern Co. Interchange	595,192,000	595,192,000	2.23	2.58	13,268,434	15,359,072
10		Economy Sales	8,249,000	8,249,000	2.20	2.58	181,730	212,564
11		Gain on Economy Sales	0	0	0.00	0.00	0	0
12		TOTAL ESTIMATED SALES	603,441,000	603,441,000	2.23	2.58	13,450,164	15,571,636
	APRIL							
13		Southern Co. Interchange	316,524,000	316,524,000	2.18	2.57	6,915,550	8,137,305
14		Economy Sales	6,224,000	6,224,000	2.32	2.69	144,188	167,698
15		Gain on Economy Sales	0	0	0.00	0.00	0	0
16		TOTAL ESTIMATED SALES	322,748,000	322,748,000	2.19	2.57	7,059,738	8,305,003
	MAY							
17		Southern Co. Interchange	488,683,000	488,683,000	2.06	2.43	10,083,357	11,861,689
18		Economy Sales	5,134,000	5,134,000	2.28	2.65	117,145	136,029
19		Gain on Economy Sales	0	0	0.00	0.00	0	0
20		TOTAL ESTIMATED SALES	493,817,000	493,817,000	2.07	2.43	10,200,502	11,997,718
	JUNE							
21		Southern Co. Interchange	623,555,000	623,555,000	2.51	2.83	15,626,366	17,677,431
22		Economy Sales	5,954,000	5,954,000	2.67	2.97	158,790	176,950
23		Gain on Economy Sales	0	0	0.00	0.00	0	0
24		TOTAL ESTIMATED SALES	629,509,000	629,509,000	2.51	2.84	15,785,156	17,854,381

GULF POWER COMPANY
POWER SOLD

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(6)	(7)	(8)	(9)	(10)
					¢ / kWh			
Line No.	Month	Type	Total KWH Sold	KWH From Own Generation	Fuel Costs	Total Costs	Total $ for Fuel Adjustment	Total Cost ($)
	JULY							
1		Southern Co. Interchange	616,889,000	616,889,000	2.63	2.96	16,193,894	18,265,880
2		Economy Sales	6,327,000	6,327,000	2.81	3.12	177,880	197,121
3		Gain on Economy Sales	0	0	0.00	0.00	0	0
4		TOTAL ESTIMATED SALES	623,216,000	623,216,000	2.63	2.96	16,371,774	18,463,001
	AUGUST							
5		Southern Co. Interchange	629,182,000	629,182,000	2.58	2.91	16,241,441	18,329,987
6		Economy Sales	7,967,000	7,967,000	2.77	3.09	220,368	245,934
7		Gain on Economy Sales	0	0	0.00	0.00	0	0
8		TOTAL ESTIMATED SALES	637,149,000	637,149,000	2.58	2.92	16,461,809	18,575,921
	SEPTEMBER							
9		Southern Co. Interchange	389,753,000	389,753,000	2.38	2.72	9,269,125	10,600,643
10		Economy Sales	6,083,000	6,083,000	2.57	2.88	156,131	175,106
11		Gain on Economy Sales	0	0	0.00	0.00	0	0
12		TOTAL ESTIMATED SALES	395,836,000	395,836,000	2.38	2.72	9,425,256	10,775,749
	OCTOBER							
13		Southern Co. Interchange	214,314,000	214,314,000	1.98	2.35	4,253,559	5,032,844
14		Economy Sales	7,134,000	7,134,000	2.24	2.57	159,732	183,523
15		Gain on Economy Sales	0	0	0.00	0.00	0	0
16		TOTAL ESTIMATED SALES	221,448,000	221,448,000	1.99	2.36	4,413,291	5,216,367
	NOVEMBER							
17		Southern Co. Interchange	418,885,000	418,885,000	2.07	2.43	8,668,772	10,193,792
18		Economy Sales	5,575,000	5,575,000	2.14	2.50	119,437	139,577
19		Gain on Economy Sales	0	0	0.00	0.00	0	0
20		TOTAL ESTIMATED SALES	424,460,000	424,460,000	2.07	2.43	8,788,209	10,333,369
	DECEMBER							
21		Southern Co. Interchange	354,152,000	354,152,000	2.28	2.66	8,076,924	9,437,020
22		Economy Sales	9,022,000	9,022,000	2.26	2.59	204,022	233,919
23		Gain on Economy Sales	0	0	0.00	0.00	0	0
24		TOTAL ESTIMATED SALES	363,174,000	363,174,000	2.28	2.66	8,280,946	9,670,939
	TOTAL							
25		Southern Co. Interchange	5,281,374,000	5,281,374,000	2.34	2.70	123,432,062	142,504,074
26		Economy Sales	84,034,000	84,034,000	2.40	2.75	2,017,510	2,311,565
27		Gain on Economy Sales	0	0	0.00	0.00	0	0
28		TOTAL ESTIMATED SALES	5,365,408,000	5,365,408,000	2.34	2.70	125,449,572	144,815,639

PURCHASED POWER
GULF POWER COMPANY
(EXCLUSIVE OF ECONOMY ENERGY PURCHASES)

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Line No.	Month	Purchased From	Type & Schedule	Total KWH Purchased	KWH for Other Utilities	KWH for Interruptible	KWH for Firm	¢ / kWh Fuel Cost	¢ / kWh Total Cost	Total $ for Fuel Adj
1	January	NONE								
2	February	NONE								
3	March	NONE								
4	April	NONE								
5	May	NONE								
6	June	NONE								
7	July	NONE								
8	August	NONE								
9	September	NONE								
10	October	NONE								
11	November	NONE								
12	December	NONE								
13	Total	NONE								

GULF POWER COMPANY
ENERGY PAYMENT TO QUALIFYING FACILITIES

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Line No.	Month	Purchased From	Type & Schedule	Total KWH Purchased	KWH for Other Utilities	KWH for Interruptible	KWH for Firm	¢ / kWh Fuel Cost	¢ / kWh Total Cost	Total $ for Fuel Adj
1	JANUARY		COG-1	0			None	0	0.00	0
2	FEBRUARY		COG-1	0			None	0	0.00	0
3	MARCH		COG-1	0			None	0	0.00	0
4	APRIL		COG-1	0			None	0	0.00	0
5	MAY		COG-1	0			None	0	0.00	0
6	JUNE		COG-1	0			None	0	0.00	0
7	JULY		COG-1	0			None	0	0.00	0
8	AUGUST		COG-1	0			None	0	0.00	0
9	SEPTEMBER		COG-1	0			None	0	0.00	0
10	OCTOBER		COG-1	0			None	0	0.00	0
11	NOVEMBER		COG-1	0			None	0	0.00	0
12	DECEMBER		COG-1	0			None	0	0.00	0
13	TOTAL			0			0	0.00	0.00	0

GULF POWER COMPANY
ECONOMY ENERGY PURCHASES

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(2) Month	(3) Type & Schedule	(4) Total KWH Purchased	(5) Transaction Cost ¢ / kWh	(6) Total $ for Fuel Adj.
	JANUARY				
1		Southern Co. Interchange	8,673,000	2.31	200,063
2		Economy Energy	2,088,000	2.86	59,650
3		Other Purchases	618,532,000	2.98	18,440,000
4		TOTAL ESTIMATED PURCHASES	629,293,000	2.97	18,699,713
	FEBRUARY				
5		Southern Co. Interchange	71,156,000	2.40	1,708,621
6		Economy Energy	3,362,000	2.77	93,167
7		Other Purchases	505,111,000	3.00	15,130,000
8		TOTAL ESTIMATED PURCHASES	579,629,000	2.92	16,931,788
	MARCH				
9		Southern Co. Interchange	1,113,000	2.59	28,879
10		Economy Energy	1,734,000	2.44	42,308
11		Other Purchases	643,993,000	3.04	19,563,000
12		TOTAL ESTIMATED PURCHASES	646,840,000	3.04	19,634,187
	APRIL				
13		Southern Co. Interchange	14,723,000	2.57	378,211
14		Economy Energy	1,787,000	2.67	47,726
15		Other Purchases	299,234,000	3.82	11,442,000
16		TOTAL ESTIMATED PURCHASES	315,744,000	3.76	11,867,937
	MAY				
17		Southern Co. Interchange	854,000	2.54	21,654
18		Economy Energy	2,097,000	2.55	53,512
19		Other Purchases	662,845,000	2.76	18,284,000
20		TOTAL ESTIMATED PURCHASES	665,796,000	2.76	18,359,166
	JUNE				
21		Southern Co. Interchange	996,000	2.51	25,019
22		Economy Energy	2,486,000	3.10	77,054
23		Other Purchases	645,041,000	2.89	18,623,000
24		TOTAL ESTIMATED PURCHASES	648,523,000	2.89	18,725,073

GULF POWER COMPANY
ECONOMY ENERGY PURCHASES

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1) Line No.	(2) Month	(3) Type & Schedule	(4) Total KWH Purchased	(5) Transaction Cost ¢ / kWh	(6) Total $ for Fuel Adj.
	JULY				
1		Southern Co. Interchange	1,231,000	2.53	31,086
2		Economy Energy	2,396,000	3.37	80,700
3		Other Purchases	680,021,000	2.79	18,957,000
4		TOTAL ESTIMATED PURCHASES	683,648,000	2.79	19,068,786
	AUGUST				
5		Southern Co. Interchange	0	#N/A	0
6		Economy Energy	2,941,000	3.31	97,322
7		Other Purchases	681,341,000	2.81	19,115,000
8		TOTAL ESTIMATED PURCHASES	684,282,000	2.81	19,212,322
	SEPTEMBER				
9		Southern Co. Interchange	8,340,000	2.59	216,234
10		Economy Energy	2,007,000	2.90	58,135
11		Other Purchases	661,046,000	2.82	18,637,000
12		TOTAL ESTIMATED PURCHASES	671,393,000	2.82	18,911,369
	OCTOBER				
13		Southern Co. Interchange	74,544,000	2.56	1,911,053
14		Economy Energy	1,740,000	2.32	40,431
15		Other Purchases	287,107,000	3.67	10,533,000
16		TOTAL ESTIMATED PURCHASES	363,391,000	3.44	12,484,484
	NOVEMBER				
17		Southern Co. Interchange	21,991,000	2.28	502,399
18		Economy Energy	2,018,000	2.58	51,986
19		Other Purchases	641,642,000	2.94	18,847,000
20		TOTAL ESTIMATED PURCHASES	665,651,000	2.91	19,401,385
	DECEMBER				
21		Southern Co. Interchange	56,508,000	2.07	1,170,921
22		Economy Energy	2,977,000	2.57	76,562
23		Other Purchases	529,252,000	2.98	15,777,000
24		TOTAL ESTIMATED PURCHASES	588,737,000	2.89	17,024,483
	TOTAL FOR PERIOD				
25		Southern Co. Interchange	260,129,000	2.38	6,194,140
26		Economy Energy	27,633,000	2.82	778,553
27		Other Purchases	6,855,165,000	2.97	203,348,000
28		TOTAL ESTIMATED PURCHASES	7,142,927,000	2.94	210,320,693

GULF POWER COMPANY
RESIDENTIAL BILL COMPARISON
FOR MONTHLY USAGE OF 1,000 kWh

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2)	(3)	(4)	(5)	(6)
Line No.	Bill Component	Current Approved 2020 ($/1,000 kWh)	Proposed 2021 ($/1,000 kWh)	Difference from Current ($)	Difference from Current (%)
1	Base Rate	$ 68.06	$ 68.06	$ -	0.0%
2	Fuel Cost Recovery	32.62	30.70	(1.92)	-5.9%
3	Capacity Cost Recovery	8.78	9.15	0.37	4.2%
4	Energy Conservation Cost Recovery	0.60	0.90	0.30	50.0%
5	Environmental Cost Recovery	18.86	19.92	1.06	5.6%
6	Storm	8.00	8.00	-	0.0%
7	Subtotal	$ 136.92	$ 136.73	$ (0.19)	-0.1%
8	Gross Receipts Tax	3.51	3.51	-	0.0%
9	Total	$ 140.43	$ 140.24	$ (0.19)	-0.1%

SCHEDULE E-11

GULF POWER COMPANY
ESTIMATED AS-AVAILABLE AVOIDED ENERGY COST

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

Year: 2021	
Month	Total ¢ / kWh
JANUARY	2.590
FEBRUARY	2.590
MARCH	2.590
APRIL	2.661
MAY	2.661
JUNE	2.661
JULY	2.661
AUGUST	2.661
SEPTEMBER	2.661
OCTOBER	2.661
NOVEMBER	2.590
DECEMBER	2.590

GULF POWER COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2) (3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
						% Change		
LINE	LINE DESCRIPTION	2018	2019	2020	2021	2018 to 2019	2019 to 2020	2020 to 2021
	FUEL COST OF SYSTEM NET GENERATION ($)							
1	LIGHTER OIL (B.L.)	882,162	1,001,330	253,033	522,242	13.51	(74.73)	106.39
2	COAL	113,947,937	125,761,821	80,427,269	47,085,557	10.37	(36.05)	(41.46)
2a	COAL at Scherer	34,571,593	23,282,891	15,801,634	9,230,022	(32.65)	(32.13)	(41.59)
2b	Wholesale Revenue Credit	(8,297,183)	(5,587,895)	(456,821)	0	(32.65)	(91.82)	(100.00)
3	GAS-Generation	113,385,721	105,577,111	138,161,926	188,746,851	(6.89)	30.86	36.61
4	GAS (B.L.)	4,195,667	462,391	388,198	0	(88.98)	(16.05)	(100.00)
5	LANDFILL GAS	835,811	740,970	860,835	1,135,469	(11.35)	16.18	31.90
6	OTHER - C.T.	155,064	21,960	15,523	44,528	(85.84)	(29.31)	186.85
7	OTHER GENERATION	2,902,925	2,390,125	2,001,311	3,104,447	(17.66)	(16.27)	55.12
8	TOTAL ($)	262,579,697	253,650,704	237,452,909	249,869,116	(3.40)	(6.39)	5.23
	SYSTEM NET GENERATION (MWh)							
9	COAL	3,584,903	3,792,741	2,614,940	1,629,204	5.80	(31.05)	(37.70)
9a	COAL at Scherer	1,353,538	873,821	545,214	300,065	(35.44)	(37.61)	(44.96)
9b	Flint Credit	(324,848)	(209,718)	0	0	(35.44)	(100.00)	0.00
10	GAS	4,031,809	4,197,515	6,701,649	7,509,136	4.11	59.66	12.05
11	LANDFILL GAS	24,699	24,699	23,568	24,705	0.00	(4.58)	4.82
12	OTHER - C.T.	672	96	538	208	(85.71)	460.42	(61.34)
13	OTHER GENERATION	81,360	81,352	68,199	113,508	(0.01)	(16.17)	66.44
14	Solar	0	0	178,034	266,111	0.00	100.00	49.47
15	TOTAL (MWH)	8,752,133	8,760,506	10,132,142	9,842,937	0.10	15.66	(2.85)
	UNITS OF FUEL BURNED							
16	LIGHTER OIL (BBL)	12,482	10,297	2,774	9,071	(17.50)	(73.06)	227.00
17	COAL excl. Scherer (TON)	1,849,633	1,903,268	1,339,520	945,213	2.90	(29.62)	(29.44)
18	GAS (MCF)	27,650,559	28,470,077	52,963,586	61,844,984	2.96	86.03	16.77
19	OTHER - C.T. (BBL)	1,605	231	173	497	(85.61)	(25.11)	187.28
	BTUS BURNED (MMBtu)							
20	COAL + GAS B.L. + OIL B.L.	51,302,066	48,882,204	33,944,999	20,453,213	(4.72)	(30.56)	(39.75)
21	GAS - Generation	27,993,569	28,889,477	52,904,939	63,081,885	3.20	83.13	19.24
22	OTHER - C.T.	9,402	1,350	1,005	2,905	(85.64)	(25.56)	189.05
23	TOTAL (MMBtu)	79,305,037	77,773,031	86,850,943	83,538,003	(1.93)	11.67	(3.81)
	GENERATION MIX (% MWh)							
24	COAL + GAS B.L. + OIL B.L.	52.71	50.87	0.00	19.60	(3.49)	(100.00)	100.00
25	GAS - Generation	46.07	47.92	31.40	76.29	4.02	(34.47)	142.96
26	LANDFILL GAS	0.28	0.28	66.59	0.25	0.00	23,682.14	(99.62)
27	OTHER - C.T.	0.01	0.00	0.23	0.00	(100.00)	100.00	(100.00)
28	OTHER GENERATION	0.93	0.93	0.01	1.15	0.00	(98.92)	11,400.00
29	Solar	0.00	0.00	1.77	2.70	0.00	100.00	52.54
30	TOTAL (% MWH)	100.00	100.00	100.00	100.00	0.00	0.00	0.00

GULF POWER COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE

PROPOSED FOR THE PERIOD: JANUARY 2021 - DECEMBER 2021

(1)	(2) (3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
						% Change		
LINE	LINE DESCRIPTION	2018	2019	2020	2021	2018 to 2019	2019 to 2020	2020 to 2021
	FUEL COST PER UNIT							
31	LIGHTER OIL B.L. ($/BBL)	70.68	97.25	91.22	57.57	37.59	(6.20)	(36.89)
32	COAL ($/TON)	61.61	66.08	60.04	49.81	7.26	(9.14)	(17.04)
33	GAS +B.L. ($/MCF)	4.25	3.72	2.58	3.05	(12.47)	(30.65)	18.22
34	OTHER - C.T.	96.61	95.06	89.73	89.59	(1.60)	(5.61)	(0.16)
	FUEL COST ($ / MMBtu)							
35	COAL + GAS B.L. + OIL B.L.	2.83	2.96	2.84	2.78	4.59	(4.05)	(2.11)
36	GAS - Generation	4.05	3.65	2.57	2.99	(9.88)	(29.59)	16.34
37	OTHER - C.T.	16.49	16.27	15.45	15.33	(1.33)	(5.04)	(0.78)
38	TOTAL ($/MMBtu)	3.26	3.22	2.68	2.94	(1.23)	(16.77)	9.70
	BTU BURNED (Btu / kWh)							
39	COAL + GAS B.L. + OIL B.L.	11,120	10,968	10,742	10,602	(1.37)	(2.06)	(1.30)
40	GAS - Generation	6,943	6,883	7,975	8,401	(0.86)	15.87	5.34
41	OTHER - C.T.	13,991	14,063	1,868	13,966	0.51	(86.72)	647.64
42	TOTAL (Btu/kWh)	9,172	8,986	8,709	8,608	(2.03)	(3.08)	(1.16)
	FUEL COST (¢ / kWh)							
43	COAL + GAS B.L. + OIL B.L.	3.15	3.25	3.05	2.95	3.17	(6.15)	(3.28)
44	GAS - Generation	2.81	2.52	2.06	2.51	(10.32)	(18.25)	21.84
45	LANDFILL GAS	3.38	3.00	3.65	4.60	(11.24)	21.67	26.03
46	OTHER - C.T.	23.08	22.88	2.89	21.41	(0.87)	(87.37)	640.83
47	OTHER GENERATION	3.57	2.94	2.73	2.74	(17.65)	(7.14)	0.37
48	TOTAL (¢ / kWh)	3.00	2.90	2.83	2.54	(3.33)	(2.41)	(10.25)

Schedule CCE-1

Projected Capacity Payments / (Receipts)
Gulf Power Company

TO BE INCLUDED IN THE PERIOD JANUARY 2021 - DECEMBER 2021

Line No.	Line Descritption	(A) January Estimated	(B) February Estimated	(C) March Estimated	(D) April Estimated	(E) May Estimated	(F) June Estimated	(G) July Estimated	(H) August Estimated	(I) September Estimated	(J) October Estimated	(K) November Estimated	(L) December Estimated	(M) TOTAL
1	Projected IIC Payments / (Receipts)	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Total Other Capacity Payments / (Receipts)	7,148,252	7,148,252	7,148,252	7,148,252	7,148,252	7,148,252	7,133,669	7,133,669	7,133,669	7,133,669	7,133,669	7,133,669	85,691,528
3														
4	Total Projected Transmission Revenue	(7,000)	(10,000)	(8,000)	(6,000)	(5,000)	(6,000)	(6,000)	(8,000)	(6,000)	(7,000)	(6,000)	(9,000)	
5	Base Jurisdictional Factor	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	
6	Total Base Jurisdictionalized Capacity Costs	(7,000)	(10,000)	(8,000)	(6,000)	(5,000)	(6,000)	(6,000)	(8,000)	(6,000)	(7,000)	(6,000)	(9,000)	(84,000)
7														
8	Total Intermediate Capacity Costs													
9	Intermediate Jurisdictional Factor	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	0.975922	
10	Total Intermediate Jurisdictionalized Capacity Costs													
11														
12	Total Other Capacity Payments / (Receipts)													
13	Peaking Jurisdictional Factor	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	0.760860	
14	Total Base Jurisdictionalized Capacity Costs													
15														
16	Total Projected Jurisdictional Capacity Payments / (Receipts)	6,969,855	6,966,855	6,968,855	6,970,855	6,971,855	6,970,855	6,956,624	6,954,624	6,956,624	6,955,624	6,956,624	6,953,624	83,552,876
17	True-Up ($)													2,247,743
18	Total Jurisdictional Amount to be Recovered (Line 16 + Line 17) ($)													85,800,618
19	Revenue Tax Multiplier													1.00072
20	Total Recoverable Capacity Payments / (Receipts) (Line 18 x Line 19) ($)													85,862,394

Schedule CCE-1A

GULF POWER COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF TRUE-UP

TO BE INCLUDED IN THE PERIOD JANUARY 2021 - DECEMBER 2021

1.	Estimated over/(under)-recovery, January 2020 - December 2020 (Schedule CCE-1B, Line 16 + Line 19)	(2,700,587)
2.	Final over/(under)-recovery, January 2019 - December 2019 (Exhibit RLH-1, Schedule CCA-1)	452,844
3.	Total over/(under)-recovery (Line 1 + 2) (To be included in January 2021 - December 2021)	($2,247,743)
4.	Jurisdictional kWh sales, January 2021 - December 2021	10,730,068,000
5.	True-up factor (Line 3 / Line 4) x 100 (¢/kWh)	0.0209

SCHEDULE CCE-1B

GULF POWER COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ESTIMATED TRUE-UP AMOUNT
ACTUAL FOR THE PERIOD JANUARY 2020 - JUNE 2020 / ESTIMATED FOR JULY 2020 - DECEMBER 2020

Line No.	Line Descritption	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	July Estimated	August Estimated	September Estimated	October Estimated	November Estimated	December Estimated	TOTAL
1	IIC Payments/(Receipts) ($)	23,120	17,509	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	(3,065)	9,985
2	Other Capacity Payments / (Receipts)	7,078,291	7,078,291	7,078,291	7,078,291	7,078,291	7,078,291	7,151,585	7,151,585	7,151,585	7,151,585	7,151,585	7,151,585	85,379,260
3	Transmission Revenue	(325)	(1,191)	(384)	(387)	(538)	(410)	(7,000)	(8,000)	(6,000)	(7,000)	(6,000)	(9,000)	(46,235)
4	Scherer/Flint Credit	(10)	0	0	2,136	0	0	0	0	0	0	0	0	2,125
5	Total Capacity Payments/(Receipts)	7,101,077	7,094,610	7,074,843	7,076,976	7,074,689	7,074,817	7,141,521	7,140,521	7,142,521	7,141,521	7,142,521	7,139,521	85,345,135
6	Jurisdictional %	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	0.9723427	
7	Jurisdictional Capacity Payments/(Receipts)	6,904,680	6,898,392	6,879,172	6,881,246	6,879,022	6,879,147	6,944,005	6,943,033	6,944,978	6,944,005	6,944,978	6,942,061	82,984,719
8	Retail KWH Sales							1,158,517,000	1,145,167,000	995,494,000	839,046,000	731,278,000	817,367,000	
9	Purchased Power Capacity Cost Recovery Factor (¢/KWH)							0.765	0.765	0.765	0.765	0.765	0.765	
10	Capacity Cost Recovery Revenues (Line 7 x Line 8/100) ($)	6,025,605	5,404,285	5,590,075	5,803,198	6,584,823	7,679,408	8,862,655	8,760,528	7,615,529	6,418,702	5,594,277	6,252,858	80,591,942
11	Revenue Taxes (Line 9 x .00072) ($)	4,338	3,891	4,025	4,178	4,741	5,529	6,381	6,308	5,483	4,621	4,028	4,502	58,026
12	True-Up Provision ($)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(19,829)	(237,948)
13	Capacity Cost Recovery Revenues net of Revenue Taxes	6,001,438	5,380,565	5,566,221	5,779,191	6,560,253	7,654,049	8,836,445	8,734,391	7,590,217	6,394,252	5,570,420	6,228,527	80,295,968
14	Over/(Under) Recovery (Line 12 - Line 6) ($)	(903,242)	(1,517,827)	(1,312,951)	(1,102,055)	(318,769)	774,902	1,892,440	1,791,358	645,239	(549,754)	(1,374,558)	(713,534)	(2,688,751)
15	Interest Provision ($)	(305)	(1,890)	(4,423)	(3,791)	(273)	(392)	(335)	(134)	0	7	(95)	(205)	(11,836)
16	Total Estimated True-Up for the Period													(2,700,587)
17	Beginning Balance True-Up & Interest Provision ($)	214,896	(668,822)	(2,168,710)	(3,466,255)	(4,552,272)	(4,851,485)	(4,057,146)	(2,145,212)	(334,159)	330,909	(199,009)	(1,553,833)	
18	True-Up Collected/(Refunded) ($)	19,829	19,829	19,829	19,829	19,829	19,829	19,829	19,829	19,829	19,829	19,829	19,829	
19	Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	
20	End of Period TOTAL Net True-Up (Lines 13 + 14 + 16 + 17 + 18) ($)	(668,822)	(2,168,710)	(3,466,255)	(4,552,272)	(4,851,485)	(4,057,146)	(2,145,212)	(334,159)	330,909	(199,009)	(1,553,833)	(2,247,743)	

Gulf Power Company
Calculation of Capacity Cost Recovery Factors
TO BE INCLUDED IN THE PERIOD JANUARY 2021 - DECEMBER 2021

Line No.	Rate Class	(A) Average 12 CP Load Factor at Meter	(B) Projected KWH Sales at Meter	(C) Projected Avg 12 CP KW at Meter	(D) Demand Loss Expansion Factor	(E) Energy Loss Expansion Factor	(F) Projected KWH Sales at Generation	(G) Projected Avg 12 CP KW at Generation	(H) Percentage of KWH Sales at Generation	(I) Percentage of 12 CP KW Demand at Generation
1	RS, RSVP, RSTOU	58.270328%	5,396,609,000	1,057,230	1.00609343	1.00559591	5,426,807,938	1,063,672	50.56646%	58.08652%
2	GS	57.224449%	311,376,000	62,115	1.00608241	1.00559477	313,118,077	62,493	2.91760%	3.41272%
3	GSD, GSDT, GSTOU	74.102156%	2,481,479,000	382,275	1.00590017	1.00544671	2,494,994,896	384,530	23.24812%	20.99898%
4	LP, LPT	85.094449%	751,037,000	100,753	0.98747379	0.99210885	745,110,454	99,490	6.94287%	5.43312%
5	PX, PXT, RTP, SBS	84.969370%	1,644,662,000	220,958	0.96884429	0.97666479	1,606,283,467	214,074	14.96719%	11.69047%
6	OS - I / II	767.743332%	98,024,000	1,458	1.00619545	1.00560119	98,573,051	1,467	0.91849%	0.08009%
7	OS-III	98.645916%	46,881,000	5,425	1.00617773	1.00558881	47,143,009	5,459	0.43927%	0.29810%
9	TOTAL		10,730,068,000	1,830,213			10,732,030,892	1,831,185	100.00000%	100.00000%

Notes:
Col A - Average 12 CP load factor at meterbased on actual 2018 load research data.
Col C - 8,760 is the number of hours in 12 months
Rate Class GSTOU is calculated on energy only
Rate Class PXT has no active customers

Gulf Power Company
Calculation of Capacity Cost Recovery Factors
TO BE INCLUDED IN THE PERIOD JANUARY 2021 - DECEMBER 2021

Line No.	Rate Class	(A) Percentage of KWH Sales at Generation	(B) Percentage of 12 CP KW Demand at Generation	(C) Energy-Related Costs	(D) Demand-Related Costs	(E) Total Capacity Costs	(F) Projected KWH Sales at Meter	(G) Cost Recovery Factors	(H) Projected KW at Meter	(I) Costs Recovery Factors
1	RS, RSVP, RSTOU	50.56646%	58.08652%	3,339,813	46,037,979	49,377,792	5,396,609,000	0.915		
2	GS	2.91760%	3.41272%	192,702	2,704,840	2,897,542	311,376,000	0.931		
3	GSD, GSDT, GSTOU	23.24812%	20.99898%	1,535,492	16,643,286	18,178,778	2,481,479,000	0.733		
4	LP, LPT	6.94287%	5.43312%	458,563	4,306,160	4,764,723	751,037,000	0.000	1,669,029	2.86
5	PX, PXT, RTP, SBS	14.96719%	11.69047%	988,553	9,265,585	10,254,138	1,644,662,000	0.623		
6	OS - I / II	0.91849%	0.08009%	60,664	63,477	124,141	98,024,000	0.127		
7	OS-III	0.43927%	0.29810%	29,013	236,267	265,280	46,881,000	0.566		
9	TOTAL	100.00000%	100.00000%	$6,604,800	$79,257,594	$85,862,394	10,730,068,000	0.800	1,669,029	2.86

SCHEDULE CCE-4

Gulf Power Company
Projected 2021 Capacity Contracts

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
		Term		Contract										
	Contract/Counterparty	Start	End [1]	Type										
1	**Southern Intercompany Interchange**	**5/1/2007**	**5 Yr Notice**	**SES Opco**										
2	***PPAs***													
3	**Shell Energy N.A. (U.S.), LP**	**11/2/2009**	**5/31/2023**	**Firm**										
4	***Other***													
5	**South Carolina PSA**	**9/1/2003**	**-**	**Other**										

	Capacity Costs Description	January Projection	February Projection	March Projection	April Projection	May Projection	June Projection	July Projection	August Projection	September Projection	October Projection	November Projection	December Projection	TOTAL
6	Southern Intercompany Interchange	0	0	0	0	0	0	0	0	0	0	0	0	0
7	*PPAs*													
8	Shell Energy N.A. (U.S.), LP	[redacted]												
9	*Other*													
10	South Carolina PSA	[redacted]												
11	Total	7,148,252	7,148,252	7,148,252	7,148,252	7,148,252	7,148,252	7,133,669	7,133,669	7,133,669	7,133,669	7,133,669	7,133,669	85,691,528

	Capacity MW Description	January Projection	February Projection	March Projection	April Projection	May Projection	June Projection	July Projection	August Projection	September Projection	October Projection	November Projection	December Projection
12	Southern Intercompany Interchange	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	*PPAs*												
14	Shell Energy N.A. (U.S.), LP	[redacted]											
15	*Other*												
16	South Carolina PSA	[redacted]											

17 (1) Unless otherwise noted, contract remains effective unless terminated upon 30 days prior written notice.

GULF - 2021 PROJECTED SEPARATION FACTORS

CLAUSES

	SUMMARY
DEMAND	
Total Production/Transmission	0.972343
Non-Stratified Production	1.000000
Intermediate Strata Production	0.975922
Peaking Strata Production	0.760860
Distribution	0.981419
ENERGY	
Total Sales	0.974597
Non-Stratified Sales	1.000000
Intermediate Strata Sales	0.975922
Peaking Strata Sales	0.760860
GENERAL PLANT	
General Plant	0.969888

GULF POWER COMPANY
CALCULATION OF 2021 PROJ 12CPKW AT GENERATION BY RATE CLASS
TOTAL PRODUCTION & TRANSMISSION (NO ADJUSTMENTS)

RATE CLASS	(1) **2021 PROJ** Average 12CPKW @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** Average 12CPKW @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	1,077,395	1.00609343	1,083,960	
GS	64,217	1.00608241	64,607	
GSD/GSDT	390,857	1.00590017	393,163	
LP/LPT	111,599	0.98747379	110,201	
PX/PXT/RTP/CSA/SBS	240,698	0.96884429	233,199	
OSI/OSII	1,547	1.00619545	1,556	
OSIII	5,350	1.00617773	5,383	
JURISDICTIONAL	1,891,662		1,892,070	**97.23427%**
FPU (INT)	32,668	0.94895250	31,000	1.59310%
FPU (PEAK)	24,045	0.94895250	22,818	1.17262%
NON-JURISDICTIONAL	56,713		53,818	**2.76573%**
TERRITORIAL	1,948,375		1,945,887	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ 12CPKW AT GENERATION BY RATE CLASS
NON-STRATIFIED PRODUCTION

RATE CLASS	(1) **2021 PROJ** Average 12CPKW @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** Average 12CPKW @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	1,077,395	1.00609343	1,083,960	
GS	64,217	1.00608241	64,607	
GSD/GSDT	390,857	1.00590017	393,163	
LP/LPT	111,599	0.98747379	110,201	
PX/PXT/RTP/CSA/SBS	240,698	0.96884429	233,199	
OSI/OSII	1,547	1.00619545	1,556	
OSIII	5,350	1.00617773	5,383	
JURISDICTIONAL	1,891,662		1,892,070	**100.00000%**
FPU (INT)	0	0.94895250	0	0.00000%
FPU (PEAK)	0	0.94895250	0	0.00000%
NON-JURISDICTIONAL	0		0	**0.00000%**
TERRITORIAL	1,891,662		1,892,070	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ 12CPKW AT GENERATION BY RATE CLASS
INTERMEDIATE STRATA PRODUCTION

RATE CLASS	(1) **2021 PROJ** Average 12CPKW @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** Average 12CPKW @ GENER.	(3) ADJUSTED Average 12CPKW @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	1,077,395	1.00609343	1,083,960	1,083,960	
GS	64,217	1.00608241	64,607	64,607	
GSD/GSDT	390,857	1.00590017	393,163	393,163	
LP/LPT	111,599	0.98747379	110,201	110,201	
PX/PXT/RTP/CSA/SBS	240,698	0.96884429	233,199	233,199	
OSI/OSII	1,547	1.00619545	1,556	1,556	
OSIII	5,350	1.00617773	5,383	5,383	
JURISDICTIONAL	1,891,662		1,892,070	1,892,070	**97.59223%**
FPU (INT)	32,668	0.94895250	31,000	46,681	2.40777%
FPU (PEAK)	0	0.94895250	0	0	0.00000%
NON-JURISDICTIONAL	32,668		31,000	46,681	**2.40777%**
TERRITORIAL	1,924,330		1,923,070	1,938,750	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ 12CPKW AT GENERATION BY RATE CLASS
PEAKING STRATA PRODUCTION

RATE CLASS	(1) **2021 PROJ** Average 12CPKW @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** Average 12CPKW @ GENER.	(3) ADJUSTED Average 12CPKW @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	1,077,395	1.00609343	1,083,960	1,083,960	
GS	64,217	1.00608241	64,607	64,607	
GSD/GSDT	390,857	1.00590017	393,163	393,163	
LP/LPT	111,599	0.98747379	110,201	110,201	
PX/PXT/RTP/CSA/SBS	240,698	0.96884429	233,199	233,199	
OSI/OSII	1,547	1.00619545	1,556	1,556	
OSIII	5,350	1.00617773	5,383	5,383	
JURISDICTIONAL	1,891,662		1,892,070	1,892,070	**76.08600%**
FPU (INT)	0	0.94895250	0	0	0.00000%
FPU (PEAK)	24,045	0.94895250	22,818	594,682	23.91400%
NON-JURISDICTIONAL	24,045		22,818	594,682	**23.91400%**
TERRITORIAL	1,915,708		1,914,887	2,486,751	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ KWH SALES AT GENERATION BY RATE CLASS
TOTAL SALES (NO ADJUSTMENTS)

RATE CLASS	(1) **2021 PROJ** TOTAL KWH SALES @ METER	(2) ENERGY LOSS EXPANSION FACTOR	(3) **2021 PROJ** TOTAL KWH SALES @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	5,528,121,218	1.00559591	5,559,056,087	
GS	328,640,315	1.00559477	330,478,982	
GSD/GSDT	2,501,334,147	1.00544671	2,514,958,189	
LP/LPT	826,617,738	0.99210885	820,094,773	
PX/PXT/RTP/CSA/SBS	1,787,605,854	0.97666479	1,745,891,696	
OSI/OSII	100,786,002	1.00560119	101,350,524	
OSIII	46,997,061	1.00558881	47,259,719	
JURISDICTIONAL	11,120,102,335		11,119,089,969	**97.45969%**
FPU (INT)	207,769,383	0.96249530	199,977,054	1.75281%
FPU (PEAK)	93,345,665	0.96249530	89,844,763	0.78750%
NON-JURISDICTIONAL	301,115,048		289,821,817	**2.54031%**
TERRITORIAL	11,421,217,383		11,408,911,786	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ KWH SALES AT GENERATION BY RATE CLASS
NON-STRATIFIED SALES

RATE CLASS	(1) **2021 PROJ** TOTAL KWH SALES @ METER	(2) ENERGY LOSS EXPANSION FACTOR	(3) **2021 PROJ** TOTAL KWH SALES @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	5,528,121,218	1.00559591	5,559,056,087	
GS	328,640,315	1.00559477	330,478,982	
GSD/GSDT	2,501,334,147	1.00544671	2,514,958,189	
LP/LPT	826,617,738	0.99210885	820,094,773	
PX/PXT/RTP/CSA/SBS	1,787,605,854	0.97666479	1,745,891,696	
OSI/OSII	100,786,002	1.00560119	101,350,524	
OSIII	46,997,061	1.00558881	47,259,719	
JURISDICTIONAL	11,120,102,335		11,119,089,969	**100.00000%**
FPU (INT)	0	0.96249530	0	0.00000%
FPU (PEAK)	0	0.96249530	0	0.00000%
NON-JURISDICTIONAL	0		0	**0.00000%**
TERRITORIAL	11,120,102,335		11,119,089,969	100.00000%

GULF POWER COMPANY
CALCULATION OF 2021 PROJ KWH SALES AT GENERATION BY RATE CLASS
INTERMEDIATE STRATA SALES

RATE CLASS	(1) **2021 PROJ** TOTAL KWH SALES @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** TOTAL KWH SALES @ GENER.	(3) ADJUSTED TOTAL KWH SALES @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	5,528,121,218	1.00559591	5,559,056,087	5,559,056,087	
GS	328,640,315	1.00559477	330,478,982	330,478,982	
GSD/GSDT	2,501,334,147	1.00544671	2,514,958,189	2,514,958,189	
LP/LPT	826,617,738	0.99210885	820,094,773	820,094,773	
PX/PXT/RTP/CSA/SBS	1,787,605,854	0.97666479	1,745,891,696	1,745,891,696	
OSI/OSII	100,786,002	1.00560119	101,350,524	101,350,524	
OSIII	46,997,061	1.00558881	47,259,719	47,259,719	
JURISDICTIONAL	11,120,102,335		11,119,089,969	11,119,089,969	**97.59223%**
FPU (INT)	207,769,383	0.96249530	199,977,054	274,326,931	2.40777%
FPU (PEAK)	0	0.96249530	0	0	0.00000%
NON-JURISDICTIONAL	207,769,383		199,977,054	274,326,931	**2.40777%**
TERRITORIAL	11,327,871,718		11,319,067,023	11,393,416,900	100.00000%
				0.97592233	

GULF POWER COMPANY
CALCULATION OF 2021 PROJ 12CPKW AT GENERATION BY RATE CLASS
PEAKING STRATA PRODUCTION

RATE CLASS	(1) **2021 PROJ** TOTAL KWH SALES @ METER	(2) DEMAND LOSS EXPANSION FACTOR	(3) **2021 PROJ** TOTAL KWH SALES @ GENER.	(3) ADJUSTED TOTAL KWH SALES @ GENER.	(4) **2021 PROJ** JURIS. ALLOCATOR
RS/RSVP	5,528,121,218	1.00559591	5,559,056,087	5,559,056,087	
GS	328,640,315	1.00559477	330,478,982	330,478,982	
GSD/GSDT	2,501,334,147	1.00544671	2,514,958,189	2,514,958,189	
LP/LPT	826,617,738	0.99210885	820,094,773	820,094,773	
PX/PXT/RTP/CSA/SBS	1,787,605,854	0.97666479	1,745,891,696	1,745,891,696	
OSI/OSII	100,786,002	1.00560119	101,350,524	101,350,524	
OSIII	46,997,061	1.00558881	47,259,719	47,259,719	
JURISDICTIONAL	11,120,102,335		11,119,089,969	11,119,089,969	**76.08600%**
FPU (INT)	0	0.96249530	0	0	0.00000%
FPU (PEAK)	93,345,665	0.96249530	89,844,763	3,494,754,515	0.80155%
NON-JURISDICTIONAL	93,345,665		89,844,763	3,494,754,515	**23.91400%**
TERRITORIAL	11,213,448,000		11,208,934,732	14,613,844,484	100.00000%

GULF POWER COMPANY

CALCULATION OF 2021 PROJ DISTRIBUTION AND GENERAL PLANT SEPARTION FACTORS

DISTRIBUTION AND GENERAL PLANT

($000s)

Description	Total Total Adjusted Utility	Unit Power Sales	Total Adjusted Utility Net Of UPS	Jurisdictional Amount	Jurisdictional Separation Factor
DISTRIBUTION					
Land and Land Rights	3,137	0	3,137	3,063	0.9764106
Structures and Improvements	25,825	0	25,825	25,226	0.9768054
Station Equipment	214,784	0	214,784	210,928	0.9820471
DISTRIBUTION			243,746	239,217	0.9814192
GENERAL PLANT	205,892	1,339	204,553	201,302	0.9841068

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

FUEL AND CAPACITY COST RECOVERY CLAUSE

Docket No. 20200001-EI

PREPARED DIRECT TESTIMONY
AND EXHIBIT OF

C. R. ROTE

GENERATING PERFORMANCE INCENTIVE
FACTOR TARGETS FOR

JANUARY 2021 – DECEMBER 2021

SEPTEMBER 3, 2020

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

GULF POWER COMPANY

DIRECT TESTIMONY OF C.R. ROTE

DOCKET NO. 20200001-EI

SEPTEMBER 3, 2020

Q. Please state your name, address, and occupation.

A. My name is Charles R. Rote. My business address is 700 Universe Boulevard, Juno Beach, Florida 33408. My current job position is Business Services Director in the Power Generation Division of FPL.

Q. What is the purpose of your testimony in this proceeding?

A. The purpose of my testimony is to present GPIF targets for Gulf Power Company for the period of January 1, 2021 through December 31, 2021.

Q. Have you prepared an exhibit that contains information to which you will refer in your testimony?

A. Yes. I have prepared one exhibit entitled CR-1 consisting of three schedules.

Q. Was this exhibit prepared by you or under your direction and supervision?

A. Yes, it was.

Q. Which units does Gulf propose to include under the GPIF for the subject period?

A. We propose that Crist Unit 7, Daniel Units 1 and 2, Smith Unit 3, and Scherer Unit 3 be included as the Company's GPIF units. The projected net generation from these units is approximately 89% of Gulf's projected net generation for 2021.

Q. For these units, what are the target heat rates Gulf proposes to use in the GPIF for these units for the performance period January 1, 2021 through December 31, 2021?

A. I would like to refer you to page 26 of Schedule 1 of my exhibit where these targets are listed.

Q. How were these proposed target heat rates determined?

A. They were determined according to the GPIF Implementation Manual procedures for Gulf.

Q. Describe how the targets were determined for Gulf's proposed GPIF units.

A. Page 2 of Schedule 1 of my exhibit shows the target average net operating heat rate equations for the proposed GPIF units and pages 4 through 23 of Schedule 1 contain the weekly historical data used for the statistical development of these equations. Pages 24 and 25 of Schedule 1 present the calculations that provide the unit target heat rates from the target equations.

Q. Were the maximum and minimum attainable heat rates for each proposed GPIF unit indicated on page 26 of Schedule 1 of your exhibit calculated according to the appropriate GPIF Implementation Manual procedures?

A. Yes.

Q. What are the proposed target, maximum, and minimum equivalent availabilities for Gulf's units?

A. The target, maximum, and minimum equivalent availabilities are listed on page 4 of Schedule 2 of my exhibit.

Q. How were the target equivalent availabilities determined?

A. The target equivalent availabilities were determined according to the standard GPIF Implementation Manual procedures for Gulf and are presented on page 2 of Schedule 2 of my exhibit.

Q. How were the maximum and minimum attainable equivalent availabilities determined for each unit?

A. The maximum and minimum attainable equivalent availabilities, which are presented along with their respective target availabilities on page 4 of Schedule 2 of my exhibit, were determined per GPIF Implementation Manual procedures for Gulf.

Q. Mr. Rote, has Gulf completed the GPIF minimum filing requirements data package?

A. Yes, we have completed the minimum filing requirements data package. Schedule 3 of my exhibit contains this information.

Q. Mr. Rote, would you please summarize the targets that you are proposing?

A. Yes. Gulf asks that the Commission accept:

1. Crist Unit 7, Daniel Units 1 and 2, Smith Unit 3, and Scherer Unit 3 for inclusion under the GPIF for the period of January 1, 2021 through December 31, 2021.

2. The target, maximum attainable, and minimum attainable average net operating heat rates, as proposed by the Company and as shown on page 26 of Schedule 1 and on page 5 of Schedule 3 of my exhibit.

3. The target, maximum attainable and minimum attainable equivalent

availabilities, as proposed by the Company and as shown on page 4 of Schedule 2 and on page 5 of Schedule 3 of my exhibit.

4. The weekly average net operating heat rate least squares regression equations, shown on page 2 of Schedule 1 and on pages 17 through 26 of Schedule 3 of my exhibit, for use in adjusting the annual actual unit heat rates to target conditions.

Q. Mr. Rote, does this conclude your testimony?

A. Yes.

AFFIDAVIT

STATE OF FLORIDA)
)
COUNTY OF ESCAMBIA)

Docket No. 20200001-EI

Before me, the undersigned authority, personally appeared Charles Rote, who being first duly sworn, deposes and says that he is the Power Generation Division Director Business Services of Gulf Power Company, a Florida corporation, that the foregoing is true and correct to the best of his knowledge and belief. He is personally known to me.

Charles Rote

Charles Rote
Power Generation Division Director Business Svcs

Sworn to and subscribed before me by means of X physical presence or ____ online notarization this 1st day of September, 2020.

Notary Public State of Florida
Kristen Carey
My Commission HH 026570
Expires 08/02/2024

K Carey

Notary Public, State of Florida at Large

EXHIBIT TO THE TESTIMONY OF

CHARLES ROTE

IN FPSC DOCKET 20200001-EI

I. DETERMINATION OF HEAT RATE TARGETS

Target Heat Rate Equations

Scherer 3 ANOHR = 10^6 / AKW * [572.88 + 102.03 * JUN + 51.97 * JUL
+ 9,659

Crist 7 ANOHR = 10^6 / AKW * [583.75 + 65.07 * JUN
+ 8,467 + 0.00116 * LSRF / AKW

Daniel 1 ANOHR = 10^6 / AKW * [647.40 - 165.06 * FEB + 160.81 * MAR + 42.47 * JUN - 38.44 * OCT - 94.68 * NOV]
+ 7,789 + 0.00128 * LSRF / AKW

Daniel 2 ANOHR = 10^6 / AKW * [605.35 - 94.66 * MAR + 64.70 * APR]
+ 7,795 + 0.00183 * LSRF / AKW

Smith 3 ANOHR = 10^6 / AKW * [-39.78 - 44.42 * FEB - 102.83 * OCT]
+ 6,994

Where:

ANOHR	=	Average Net Operating Heat Rate, BTU/KWH
AKW	=	Average Kilowatt Load, KW
LSRF	=	Load Square Range Factor, KW^2
BTU/LB	=	Coal Burned Average Heat Content, BTU/LB
JAN	=	January, 0 if not January, 1 if January
FEB	=	February, 0 if not February, 1 if February
MAR	=	March, 0 if not March, 1 if March
APR	=	April, 0 if not April, 1 if April
MAY	=	May, 0 if not May, 1 if May
JUN	=	June, 0 if not June, 1 if June
JUL	=	July, 0 if not July, 1 if July
AUG	=	August, 0 if not August, 1 if August
SEP	=	September, 0 if not September, 1 if September
OCT	=	October, 0 if not October, 1 if October
NOV	=	November, 0 if not November, 1 if November

WEEKLY UNIT OPERATING

DATA USED TO DEVELOP

TARGET HEAT RATE EQUATIONS

Data Base for SCHERER 3 Target Heat Rate Equation

HtRt	HR	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10610	168	572.56	394246	0	0	0	0	0	0	1	0	0	0	0	0	2017	JUL
10540	168	624.90	458929	0	0	0	0	0	0	1	0	0	0	0	0	2017	
10560	168	628.99	462900	0	0	0	0	0	0	1	0	0	0	0	0	2017	
10585	146	601.40	397138	0	0	0	0	0	0	1	0	0	0	0	0	2017	
10579	168	573.29	390209	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10574	168	533.36	343400	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10446	168	663.76	498544	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10300	168	622.20	453669	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10444	168	539.07	346204	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10861	168	501.85	307597	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11309	168	412.66	207138	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10594	168	671.29	507350	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10659	168	628.32	456310	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10948	168	471.89	270302	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10746	168	581.77	394817	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10800	168	479.40	271563	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11401	168	371.80	155290	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11022	168	390.80	178361	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10253	168	531.51	319892	0	0	0	0	0	0	0	0	0	0	1	0	2017	
10448	168	475.33	256096	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11065	168	332.02	117386	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11736	94	356.05	81551	0	0	0	0	0	0	0	0	0	0	1	0	2017	
10828	168	483.17	285715	0	0	0	0	0	0	0	0	0	0	0	0	2017	
11338	139	394.18	157312	0	0	0	0	0	0	0	0	0	0	0	1	2017	
10296	165	831.41	701486	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10703	168	518.92	337125	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10576	168	549.14	365050	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10850	168	409.38	198042	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10850	168	440.92	235529	0	1	0	0	0	0	0	0	0	0	0	0	2018	
11136	168	347.60	132949	0	1	0	0	0	0	0	0	0	0	0	0	2018	
11471	168	309.68	97260	0	1	0	0	0	0	0	0	0	0	0	0	2018	
11306	168	345.13	138484	0	1	0	0	0	0	0	0	0	0	0	0	2018	
10811	168	467.73	261011	0	0	0	1	0	0	0	0	0	0	0	0	2018	
10626	168	556.36	360054	0	0	0	1	0	0	0	0	0	0	0	0	2018	
11147	168	421.34	205784	0	0	0	1	0	0	0	0	0	0	0	0	2018	
11308	168	400.76	183892	0	0	0	1	0	0	0	0	0	0	0	0	2018	
10845	119	490.01	209218	0	0	0	0	1	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10556	164	613.59	442514	0	0	0	0	1	0	0	0	0	0	0	1	2018	
10747	168	557.52	370465	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10908	168	525.23	330384	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10971	168	504.72	313957	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10972	168	532.90	344199	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10768	168	630.71	462274	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11023	144	548.30	365833	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10879	168	584.89	408202	0	0	0	0	0	0	1	0	0	0	0	0	2018	JUL
10817	168	596.44	420909	0	0	0	0	0	0	1	0	0	0	0	0	2018	
10808	168	613.71	438642	0	0	0	0	0	0	1	0	0	0	0	0	2018	
10850	168	597.85	424515	0	0	0	0	0	0	1	0	0	0	0	0	2018	
10767	168	583.04	402835	0	0	0	0	0	0	0	1	0	0	0	0	2018	
10707	168	627.98	456600	0	0	0	0	0	0	0	1	0	0	0	0	2018	
10691	168	594.28	419929	0	0	0	0	0	0	0	1	0	0	0	0	2018	
10600	168	570.57	389647	0	0	0	0	0	0	0	1	0	0	0	0	2018	

Data Base for SCHERER 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
10519	168	642.25	475036	0	0	0	0	0	0	0	1	0	0	0	0	2018
10546	168	701.02	543561	0	0	0	0	0	0	0	0	1	0	0	0	2018
10515	168	697.92	538222	0	0	0	0	0	0	0	0	1	0	0	0	2018
10335	168	707.73	548644	0	0	0	0	0	0	0	0	1	0	0	0	2018
10563	168	731.10	577202	0	0	0	0	0	0	0	0	1	0	0	0	2018
10662	157	657.12	465458	0	0	0	0	0	0	0	0	0	1	0	0	2018
11065	87	520.98	200316	0	0	0	0	0	0	0	0	0	1	0	1	2018
10510	168	746.71	596887	0	0	0	0	0	0	0	0	0	1	0	0	2018
10841	157	561.25	370782	0	0	0	0	0	0	0	0	0	1	0	0	2018
10605	127	543.35	275153	0	0	0	0	0	0	0	0	0	1	0	1	2018
10539	168	572.54	386175	0	0	0	0	0	0	0	0	0	0	1	0	2018
10597	168	607.32	428322	0	0	0	0	0	0	0	0	0	0	1	0	2018
10233	168	708.19	540908	0	0	0	0	0	0	0	0	0	0	1	0	2018
10202	168	801.80	660266	0	0	0	0	0	0	0	0	0	0	1	0	2018
10514	168	686.24	518104	0	0	0	0	0	0	0	0	0	0	0	0	2018
10686	140	541.46	306465	0	0	0	0	0	0	0	0	0	0	0	0	2018
11362	110	325.25	76951	0	0	0	0	0	0	0	0	0	0	0	1	2018
11668	168	301.73	91094	0	0	0	0	0	0	0	0	0	0	0	0	2018
11445	168	315.18	102532	1	0	0	0	0	0	0	0	0	0	0	0	2019
10796	168	430.40	222437	1	0	0	0	0	0	0	0	0	0	0	0	2019
10641	168	479.54	269709	1	0	0	0	0	0	0	0	0	0	0	0	2019
11374	168	338.59	127434	1	0	0	0	0	0	0	0	0	0	0	0	2019
11356	72	327.89	50300	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2019
11169	135	474.77	222476	0	0	0	1	0	0	0	0	0	0	0	1	2019
11515	168	352.29	135699	0	0	0	1	0	0	0	0	0	0	0	0	2019
11195	168	402.45	192136	0	0	0	1	0	0	0	0	0	0	0	0	2019
10604	168	562.80	365523	0	0	0	0	1	0	0	0	0	0	0	0	2019
10902	168	451.23	238371	0	0	0	0	1	0	0	0	0	0	0	0	2019
10910	168	439.89	230139	0	0	0	0	1	0	0	0	0	0	0	0	2019
10794	168	534.32	344824	0	0	0	0	1	0	0	0	0	0	0	0	2019
10718	168	537.96	350536	0	0	0	0	1	0	0	0	0	0	0	0	2019
11189	168	364.15	149577	0	0	0	0	0	1	0	0	0	0	0	0	2019
11240	131	401.60	163433	0	0	0	0	0	1	0	0	0	0	0	1	2019
11053	168	412.73	201750	0	0	0	0	0	1	0	0	0	0	0	0	2019
11081	144	434.91	229195	0	0	0	0	0	1	0	0	0	0	0	0	2019
10847	168	539.88	350387	0	0	0	0	0	0	1	0	0	0	0	0	2019
10818	168	570.83	385315	0	0	0	0	0	0	1	0	0	0	0	0	2019
10875	168	488.22	290775	0	0	0	0	0	0	1	0	0	0	0	0	2019
10931	168	443.72	239963	0	0	0	0	0	0	1	0	0	0	0	0	2019
10985	168	402.37	192923	0	0	0	0	0	0	0	1	0	0	0	0	2019
11149	168	386.39	165264	0	0	0	0	0	0	0	1	0	0	0	0	2019
11091	168	410.99	189851	0	0	0	0	0	0	0	1	0	0	0	0	2019
11233	168	386.59	167457	0	0	0	0	0	0	0	1	0	0	0	0	2019
11399	168	360.92	139932	0	0	0	0	0	0	0	1	0	0	0	0	2019
10808	168	613.71	438642	0	0	0	0	0	0	1	0	0	0	0	0	2018

Data Base for SCHERER 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
10915	168	449.26	229896	0	0	0	0	0	0	0	0	1	0	0	0	2019
10776	168	493.31	282234	0	0	0	0	0	0	0	0	1	0	0	0	2019
10881	168	447.73	234139	0	0	0	0	0	0	0	0	1	0	0	0	2019
10865	168	437.96	216166	0	0	0	0	0	0	0	0	1	0	0	0	2019
10910	168	429.77	214267	0	0	0	0	0	0	0	0	0	1	0	0	2019
11153	168	358.64	142542	0	0	0	0	0	0	0	0	0	1	0	0	2019
11315	168	337.20	120572	0	0	0	0	0	0	0	0	0	1	0	0	2019
11195	168	338.79	120793	0	0	0	0	0	0	0	0	0	1	0	0	2019
11078	168	350.77	132226	0	0	0	0	0	0	0	0	0	1	0	0	2019
10436	168	407.60	178941	0	0	0	0	0	0	0	0	0	0	1	0	2019
10629	168	390.19	166387	0	0	0	0	0	0	0	0	0	0	1	0	2019
10522	97	398.78	120803	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
11832	152	308.66	99498	0	0	0	0	0	0	0	0	0	0	0	1	2019
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
12096	71	308.48	43478	1	0	0	0	0	0	0	0	0	0	0	1	2020
11159	67	399.93	83009	1	0	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020
12533	147	333.48	123423	0	0	0	0	0	1	0	0	0	0	0	1	2020

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10565	168	337.15	124845	0	0	0	0	0	0	1	0	0	0	0	0	2017	JUL
10530	168	316.18	106904	0	0	0	0	0	0	1	0	0	0	0	0	2017	
10402	168	357.85	133880	0	0	0	0	0	0	1	0	0	0	0	0	2017	
10688	72	307.18	42538	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10470	109	343.27	91015	0	0	0	0	0	0	0	1	0	0	0	1	2017	
10745	168	373.48	145617	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10784	120	306.82	69298	0	0	0	0	0	0	0	1	0	0	0	0	2017	
10780	82	338.63	65731	0	0	0	0	0	0	0	1	0	0	0	1	2017	
10716	168	347.29	128596	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10637	168	337.30	117547	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10497	49	322.94	31897	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10694	131	370.98	118213	0	0	0	0	0	0	0	0	1	0	0	1	2017	
10651	168	343.42	125155	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10842	166	349.87	127263	0	0	0	0	0	0	0	0	0	1	0	0	2017	
9855	98	316.53	64577	0	0	0	0	0	0	0	0	0	1	0	1	2017	
10708	168	284.41	84739	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10882	82	249.59	35235	0	0	0	0	0	0	0	0	0	1	0	0	2017	
9921	72	338.96	53187	0	0	0	0	0	0	0	0	0	0	1	1	2017	
9882	168	310.49	101792	0	0	0	0	0	0	0	0	0	0	1	0	2017	
10223	168	281.00	83366	0	0	0	0	0	0	0	0	0	0	1	0	2017	
10130	96	277.38	46482	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11409	167	300.26	95703	0	0	0	0	0	0	0	0	0	0	0	0	2017	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2017	
11924	118	272.11	60659	0	0	0	0	0	0	0	0	0	0	0	1	2017	
10231	168	440.12	198087	1	0	0	0	0	0	0	0	0	0	0	0	2018	JAN
10425	46	308.96	27537	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10441	80	374.80	83825	1	0	0	0	0	0	0	0	0	0	0	1	2018	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10287	154	355.23	129137	0	1	0	0	0	0	0	0	0	0	0	1	2018	
10351	24	263.46	12583	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
10793	84	279.35	50334	0	0	0	0	1	0	0	0	0	0	0	2	2018	
10331	168	352.96	133946	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10407	132	354.58	117516	0	0	0	0	1	0	0	0	0	0	0	1	2018	
10804	96	262.98	55498	0	0	0	0	1	0	0	0	0	0	0	1	2018	
10962	168	213.24	45559	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11432	60	231.70	28336	0	0	0	0	0	1	0	0	0	0	0	1	2018	
10734	168	319.64	110934	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10643	168	380.42	155449	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10615	144	344.71	129166	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10766	141	328.64	102145	0	0	0	0	0	0	1	0	0	0	0	1	2018	JUL
10647	168	350.81	134348	0	0	0	0	0	0	1	0	0	0	0	0	2018	
10758	116	358.07	99113	0	0	0	0	0	0	1	0	0	0	0	0	2018	

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
10015	150	355.30	127774	0	0	0	0	0	0	1	0	0	0	0	1	2018	
10068	168	340.14	126220	0	0	0	0	0	0	0	1	0	0	0	0	2018	
9791	168	376.65	151048	0	0	0	0	0	0	0	1	0	0	0	0	2018	
10473	168	341.43	124783	0	0	0	0	0	0	0	1	0	0	0	0	2018	
10821	142	325.25	96631	0	0	0	0	0	0	0	1	0	0	0	0	2018	
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2018	
0	0	0.00	0	0	0	0	0	0	0	0	0	1	0	0	0	2018	
11016	159	368.25	144102	0	0	0	0	0	0	0	0	1	0	0	1	2018	
10645	168	393.90	164935	0	0	0	0	0	0	0	0	1	0	0	0	2018	
10549	168	410.24	176442	0	0	0	0	0	0	0	0	1	0	0	0	2018	
10313	168	386.49	159371	0	0	0	0	0	0	0	0	0	1	0	0	2018	
10081	168	398.17	168729	0	0	0	0	0	0	0	0	0	1	0	0	2018	
10102	168	427.77	189528	0	0	0	0	0	0	0	0	0	1	0	0	2018	
10238	168	303.49	97389	0	0	0	0	0	0	0	0	0	1	0	0	2018	
10308	168	328.04	113931	0	0	0	0	0	0	0	0	0	1	0	0	2018	
10408	168	351.03	128917	0	0	0	0	0	0	0	0	0	0	1	0	2018	
10409	168	380.64	150118	0	0	0	0	0	0	0	0	0	0	1	0	2018	
10126	168	392.41	156735	0	0	0	0	0	0	0	0	0	0	1	0	2018	
10456	162	367.73	138208	0	0	0	0	0	0	0	0	0	0	1	0	2018	
10634	168	380.32	147977	0	0	0	0	0	0	0	0	0	0	0	0	2018	
10626	168	376.93	148542	0	0	0	0	0	0	0	0	0	0	0	0	2018	
10934	168	273.82	78066	0	0	0	0	0	0	0	0	0	0	0	0	2018	
11171	168	245.02	60049	0	0	0	0	0	0	0	0	0	0	0	0	2018	
10885	168	246.56	60868	1	0	0	0	0	0	0	0	0	0	0	0	2019	JAN
10766	168	249.58	62698	1	0	0	0	0	0	0	0	0	0	0	0	2019	
10450	82	272.49	42049	1	0	0	0	0	0	0	0	0	0	0	0	2019	
9999	126	357.31	100897	1	0	0	0	0	0	0	0	0	0	0	1	2019	
10173	168	360.75	136522	0	1	0	0	0	0	0	0	0	0	0	0	2019	
10808	109	297.64	68403	0	1	0	0	0	0	0	0	0	0	0	0	2019	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019	
10761	114	292.18	65393	0	0	1	0	0	0	0	0	0	0	0	1	2019	
10678	167	325.31	113474	0	0	1	0	0	0	0	0	0	0	0	0	2019	
10982	168	274.74	77125	0	0	1	0	0	0	0	0	0	0	0	0	2019	
11235	168	272.86	75333	0	0	1	0	0	0	0	0	0	0	0	0	2019	
10517	168	307.32	101130	0	0	1	0	0	0	0	0	0	0	0	0	2019	
10493	168	288.85	90509	0	0	0	1	0	0	0	0	0	0	0	0	2019	
11011	72	275.89	34044	0	0	0	1	0	0	0	0	0	0	0	0	2019	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2019	
10933	168	297.08	94607	0	0	0	0	1	0	0	0	0	0	0	0	2019	
11003	168	291.64	89583	0	0	0	0	1	0	0	0	0	0	0	0	2019	
10772	168	322.23	111241	0	0	0	0	1	0	0	0	0	0	0	0	2019	
10114	168	327.18	115238	0	0	0	0	1	0	0	0	0	0	0	0	2019	
11132	168	264.57	72299	0	0	0	0	0	1	0	0	0	0	0	0	2019	
11363	168	252.71	64529	0	0	0	0	0	1	0	0	0	0	0	0	2019	
11287	165	294.91	93138	0	0	0	0	0	1	0	0	0	0	0	0	2019	
10585	92	294.85	61088	0	0	0	0	0	1	0	0	0	0	0	0	2019	
11093	127	316.18	88523	0	0	0	0	0	0	1	0	0	0	0	1	2019	
10382	168	322.24	110600	0	0	0	0	0	0	1	0	0	0	0	0	2019	
10778	168	292.42	91073	0	0	0	0	0	0	1	0	0	0	0	0	2019	
10883	168	279.80	81768	0	0	0	0	0	0	1	0	0	0	0	0	2019	
11219	94	286.15	49224	0	0	0	0	0	0	0	1	0	0	0	0	2019	
10251	98	305.97	59563	0	0	0	0	0	0	0	1	0	0	0	1	2019	

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
10642	168	329.23	116546	0	0	0	0	0	0	0	1	0	0	0	0	2019
10633	168	302.77	97915	0	0	0	0	0	0	0	1	0	0	0	0	2019
10774	168	282.45	83967	0	0	0	0	0	0	0	1	0	0	0	0	2019
10737	168	337.82	122643	0	0	0	0	0	0	0	0	1	0	0	0	2019
10409	168	341.94	125266	0	0	0	0	0	0	0	0	1	0	0	0	2019
10831	59	276.49	33544	0	0	0	0	0	0	0	0	1	0	0	1	2019
10092	143	297.23	80557	0	0	0	0	0	0	0	0	0	1	0	0	2019
11289	120	259.53	51100	0	0	0	0	0	0	0	0	0	1	0	1	2019
10356	157	263.48	70156	0	0	0	0	0	0	0	0	0	1	0	0	2019
10197	65	291.88	37951	0	0	0	0	0	0	0	0	0	1	0	0	2019
10067	117	305.91	67848	0	0	0	0	0	0	0	0	0	0	1	0	2019
10239	168	328.07	110164	0	0	0	0	0	0	0	0	0	0	0	0	2019
10849	168	306.29	96410	0	0	0	0	0	0	0	0	0	0	0	0	2019
11083	168	320.31	105949	0	0	0	0	0	0	0	0	0	0	0	0	2019
11515	168	263.70	70619	0	0	0	0	0	0	0	0	0	0	0	0	2019
11003	168	273.36	76476	1	0	0	0	0	0	0	0	0	0	0	0	2020
10503	168	339.54	118417	1	0	0	0	0	0	0	0	0	0	0	0	2020
11914	168	292.10	87354	0	1	0	0	0	0	0	0	0	0	0	0	2020
11268	168	288.10	85831	0	1	0	0	0	0	0	0	0	0	0	0	2020
11252	168	298.29	93484	0	1	0	0	0	0	0	0	0	0	0	0	2020
10706	168	271.32	75142	0	0	1	0	0	0	0	0	0	0	0	0	2020
10452	167	264.10	72721	0	0	1	0	0	0	0	0	0	0	0	0	2020
10524	166	241.77	58711	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020
12970	136	198.36	36530	0	0	0	0	0	1	0	0	0	0	0	1	2020
0	0	0.00	0	0	0	0	0	0	1	0	0	0	0	0	0	2020

Data Base for CRIST 7 Target Heat Rate Equation

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 1 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
12333	168	154.28	25121	0	0	0	0	0	0	1	0	0	0	0	0	2017	JUL
12122	99	142.32	14220	0	0	0	0	0	0	1	0	0	0	0	1	2017	
11076	168	197.22	50243	0	0	0	0	0	0	1	0	0	0	0	0	2017	
12232	168	159.79	27801	0	0	0	0	0	0	1	0	0	0	0	0	2017	
12049	163	161.87	32718	0	0	0	0	0	0	0	1	0	0	0	0	2017	
12120	168	149.31	23920	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11580	168	175.78	34362	0	0	0	0	0	0	0	1	0	0	0	0	2017	
12075	168	157.60	26806	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11934	168	155.08	29376	0	0	0	0	0	0	0	1	0	0	0	0	2017	
12190	168	146.00	22683	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11661	168	158.71	31082	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11347	168	181.28	36988	0	0	0	0	0	0	0	0	1	0	0	0	2017	
12024	168	163.50	29534	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11212	168	206.05	54021	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11793	168	177.04	40565	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11446	168	193.79	48490	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11552	168	174.27	35830	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11440	168	186.18	43268	0	0	0	0	0	0	0	0	0	1	0	0	2017	
10459	168	273.54	84948	0	0	0	0	0	0	0	0	0	0	1	0	2017	
10738	168	213.07	63616	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11657	168	139.64	19722	0	0	0	0	0	0	0	0	0	0	1	0	2017	
12045	119	133.07	12713	0	0	0	0	0	0	0	0	0	0	1	0	2017	
13645	56	147.04	9314	0	0	0	0	0	0	0	0	0	0	0	1	2017	
12520	168	160.57	26156	0	0	0	0	0	0	0	0	0	0	0	0	2017	
12696	11	149.27	3381	0	0	0	0	0	0	0	0	0	0	0	0	2017	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2017	
10940	168	188.90	38819	1	0	0	0	0	0	0	0	0	0	0	0	2018	
11510	168	187.68	36913	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10667	165	207.21	46811	1	0	0	0	0	0	0	0	0	0	0	0	2018	
12546	166	171.64	29783	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10711	168	180.20	33203	0	1	0	0	0	0	0	0	0	0	0	0	2018	
10693	45	165.80	8171	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
13160	85	165.15	17113	0	0	0	1	0	0	0	0	0	0	0	1	2018	
12029	166	184.15	43175	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11419	168	185.63	40293	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10822	48	188.48	11706	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11693	141	194.39	35130	0	0	0	0	1	0	0	0	0	0	0	1	2018	
11298	168	206.64	44532	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11861	162	178.49	37661	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11737	168	207.05	44553	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11241	168	249.68	65612	0	0	0	0	0	1	0	0	0	0	0	0	2018	
12449	144	162.89	28731	0	0	0	0	0	1	0	0	0	0	0	0	2018	
12118	168	151.79	24587	0	0	0	0	0	0	1	0	0	0	0	0	2018	JUL

Data Base for DANIEL 1 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
11990	168	161.01	28252	0	0	0	0	0	0	1	0	0	0	0	0	2018
11779	168	163.07	30807	0	0	0	0	0	0	1	0	0	0	0	0	2018
12378	168	142.65	20765	0	0	0	0	0	0	1	0	0	0	0	0	2018
11841	168	148.36	23062	0	0	0	0	0	0	0	1	0	0	0	0	2018
11364	168	182.65	38044	0	0	0	0	0	0	0	1	0	0	0	0	2018
12212	15	139.53	2946	0	0	0	0	0	0	0	1	0	0	0	0	2018
12120	65	163.31	12845	0	0	0	0	0	0	0	1	0	0	0	1	2018
11589	168	160.54	27634	0	0	0	0	0	0	0	1	0	0	0	0	2018
12132	168	169.49	30007	0	0	0	0	0	0	0	0	1	0	0	0	2018
11557	168	198.58	40551	0	0	0	0	0	0	0	0	1	0	0	0	2018
10562	168	240.04	59346	0	0	0	0	0	0	0	0	1	0	0	0	2018
10748	126	238.63	47684	0	0	0	0	0	0	0	0	1	0	0	1	2018
9894	135	281.04	72586	0	0	0	0	0	0	0	0	0	1	0	1	2018
10212	142	293.82	76040	0	0	0	0	0	0	0	0	0	1	0	0	2018
11047	97	206.07	29325	0	0	0	0	0	0	0	0	0	1	0	1	2018
11893	111	146.36	15474	0	0	0	0	0	0	0	0	0	1	0	1	2018
11693	168	160.30	25818	0	0	0	0	0	0	0	0	0	1	0	0	2018
10881	168	198.36	42456	0	0	0	0	0	0	0	0	0	0	1	0	2018
12161	168	152.08	24248	0	0	0	0	0	0	0	0	0	0	1	0	2018
10385	168	211.79	48435	0	0	0	0	0	0	0	0	0	0	0	0	2018
10448	147	228.07	53859	0	0	0	0	0	0	0	0	0	0	0	0	2018
11615	109	155.94	18635	0	0	0	0	0	0	0	0	0	0	0	1	2018
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2019
13566	46	139.54	5834	1	0	0	0	0	0	0	0	0	0	0	1	2019
12500	168	169.45	30179	1	0	0	0	0	0	0	0	0	0	0	0	2019
10777	117	173.86	21724	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2019
12261	18	221.89	7912	0	0	1	0	0	0	0	0	0	0	0	1	2019
12098	145	187.89	33473	0	0	1	0	0	0	0	0	0	0	0	0	2019
11001	168	193.84	39273	0	0	0	1	0	0	0	0	0	0	0	0	2019
10940	168	212.03	47104	0	0	0	1	0	0	0	0	0	0	0	0	2019
11564	168	189.65	37040	0	0	0	1	0	0	0	0	0	0	0	0	2019
11521	168	190.25	37373	0	0	0	1	0	0	0	0	0	0	0	0	2019
11471	168	215.40	50040	0	0	0	0	1	0	0	0	0	0	0	0	2019
10742	71	186.13	15250	0	0	0	0	1	0	0	0	0	0	0	0	2019
11100	116	223.09	38697	0	0	0	0	1	0	0	0	0	0	0	1	2019
10977	168	225.67	55082	0	0	0	0	1	0	0	0	0	0	0	0	2019
10548	168	248.63	70182	0	0	0	0	1	0	0	0	0	0	0	0	2019
11216	95	184.41	20164	0	0	0	0	0	1	0	0	0	0	0	0	2019
12077	19	179.74	5382	0	0	0	0	0	1	0	0	0	0	0	1	2019
11288	168	216.12	52758	0	0	0	0	0	1	0	0	0	0	0	0	2019
11370	144	197.44	41705	0	0	0	0	0	1	0	0	0	0	0	0	2019
10997	168	217.96	51321	0	0	0	0	0	0	1	0	0	0	0	0	2019
11265	168	218.43	51412	0	0	0	0	0	0	1	0	0	0	0	0	2019
11340	168	208.55	47788	0	0	0	0	0	0	1	0	0	0	0	0	2019
11313	47	199.62	12298	0	0	0	0	0	0	1	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2019
11472	129	200.93	35511	0	0	0	0	0	0	0	1	0	0	0	1	2019
11539	168	212.91	48965	0	0	0	0	0	0	0	1	0	0	0	0	2019

Data Base for DANIEL 1 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
10842	123	210.02	36453	0	0	0	0	0	0	0	1	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	1	0	0	0	0	2019
11231	165	225.59	55257	0	0	0	0	0	0	0	0	1	0	0	1	2019
11149	168	227.27	56369	0	0	0	0	0	0	0	0	1	0	0	0	2019
11181	168	219.40	52420	0	0	0	0	0	0	0	0	1	0	0	0	2019
11181	168	225.95	55282	0	0	0	0	0	0	0	0	1	0	0	0	2019
11373	168	207.31	45223	0	0	0	0	0	0	0	0	0	1	0	0	2019
11515	168	188.44	36456	0	0	0	0	0	0	0	0	0	1	0	0	2019
10712	119	232.84	44484	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2019
10863	110	190.31	27485	0	0	0	0	0	0	0	0	0	1	0	1	2019
10362	63	195.38	18024	0	0	0	0	0	0	0	0	0	0	1	1	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
11943	38	213.84	14881	1	0	0	0	0	0	0	0	0	0	0	1	2020
11083	35	188.91	10180	1	0	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
11175	116	184.09	25107	0	0	0	0	1	0	0	0	0	0	0	0	2020
11791	90	171.96	17511	0	0	0	0	1	0	0	0	0	0	0	0	2020
11508	139	185.91	30297	0	0	0	0	1	0	0	0	0	0	0	1	2020
11416	168	183.89	34509	0	0	0	0	1	0	0	0	0	0	0	0	2020
11919	168	184.51	35108	0	0	0	0	1	0	0	0	0	0	0	0	2020
11989	168	177.23	31892	0	0	0	0	0	1	0	0	0	0	0	0	2020
11859	168	175.10	30833	0	0	0	0	0	1	0	0	0	0	0	0	2020
11636	168	178.27	32345	0	0	0	0	0	1	0	0	0	0	0	0	2020
11625	168	205.86	46717	0	0	0	0	0	1	0	0	0	0	0	0	2020

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for DANIEL 2 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
12084	168	169.63	31495	0	0	0	0	0	0	1	0	0	0	0	0	2017	JUL
11953	163	157.74	26600	0	0	0	0	0	0	1	0	0	0	0	0	2017	
11488	168	206.37	53221	0	0	0	0	0	0	1	0	0	0	0	0	2017	
11547	168	185.93	40756	0	0	0	0	0	0	1	0	0	0	0	0	2017	
11908	168	172.68	36350	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11987	168	155.45	26168	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11322	168	202.13	45994	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11203	168	199.54	47681	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11955	168	165.02	31893	0	0	0	0	0	0	0	1	0	0	0	0	2017	
11933	168	164.66	32134	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11986	167	145.84	22911	0	0	0	0	0	0	0	0	1	0	0	0	2017	
10995	168	227.79	60429	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11543	168	192.67	42900	0	0	0	0	0	0	0	0	1	0	0	0	2017	
11265	168	173.67	37370	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11130	168	192.77	46312	0	0	0	0	0	0	0	0	0	1	0	0	2017	
12080	78	192.38	24658	0	0	0	0	0	0	0	0	0	1	0	0	2017	
13838	27	134.78	4602	0	0	0	0	0	0	0	0	0	1	0	1	2017	
12542	168	141.52	20398	0	0	0	0	0	0	0	0	0	1	0	0	2017	
11980	168	164.19	32521	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11024	168	213.70	63200	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11630	168	150.30	22954	0	0	0	0	0	0	0	0	0	0	1	0	2017	
12152	168	140.32	19830	0	0	0	0	0	0	0	0	0	0	1	0	2017	
11915	168	153.26	24771	0	0	0	0	0	0	0	0	0	0	0	0	2017	
11804	162	172.36	31084	0	0	0	0	0	0	0	0	0	0	0	0	2017	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2017	
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2017	
10953	168	250.05	72422	1	0	0	0	0	0	0	0	0	0	0	0	2018	
11735	168	209.99	50277	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10933	156	226.03	55739	1	0	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2018	
10630	140	188.52	32287	0	1	0	0	0	0	0	0	0	0	0	1	2018	
10106	70	186.01	16526	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
10859	65	228.52	26345	0	0	1	0	0	0	0	0	0	0	0	1	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	1	0	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2018	
12363	113	176.47	25723	0	0	0	1	0	0	0	0	0	0	0	1	2018	
12375	22	165.50	4108	0	0	0	1	0	0	0	0	0	0	0	0	2018	
12218	150	159.89	27582	0	0	0	0	1	0	0	0	0	0	0	1	2018	
11407	168	193.79	44711	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11312	168	177.63	37728	0	0	0	0	1	0	0	0	0	0	0	0	2018	
10824	168	304.90	106007	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11167	168	216.42	49781	0	0	0	0	1	0	0	0	0	0	0	0	2018	
11384	156	183.32	39462	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11222	168	211.73	48122	0	0	0	0	0	1	0	0	0	0	0	0	2018	
10695	167	272.66	80408	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11572	144	184.31	38872	0	0	0	0	0	1	0	0	0	0	0	0	2018	
11513	168	167.18	30955	0	0	0	0	0	0	1	0	0	0	0	0	2018	JUL

Data Base for DANIEL 2 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
12172	168	174.82	33453	0	0	0	0	0	0	1	0	0	0	0	0	2018
11805	168	162.99	28238	0	0	0	0	0	0	1	0	0	0	0	0	2018
11239	168	161.42	27889	0	0	0	0	0	0	1	0	0	0	0	0	2018
11914	168	162.34	28688	0	0	0	0	0	0	0	1	0	0	0	0	2018
11347	143	177.41	30122	0	0	0	0	0	0	0	1	0	0	0	0	2018
11373	157	171.93	33617	0	0	0	0	0	0	0	1	0	0	0	1	2018
11506	168	215.38	50394	0	0	0	0	0	0	0	1	0	0	0	0	2018
11659	168	182.15	37223	0	0	0	0	0	0	0	1	0	0	0	0	2018
11838	167	173.40	33199	0	0	0	0	0	0	0	0	1	0	0	0	2018
11409	168	197.20	40969	0	0	0	0	0	0	0	0	1	0	0	0	2018
10954	140	230.48	51651	0	0	0	0	0	0	0	0	1	0	0	1	2018
10839	168	246.98	62222	0	0	0	0	0	0	0	0	1	0	0	0	2018
10495	168	273.57	78083	0	0	0	0	0	0	0	0	0	1	0	0	2018
10775	168	219.28	52280	0	0	0	0	0	0	0	0	0	1	0	0	2018
10940	168	208.15	46968	0	0	0	0	0	0	0	0	0	1	0	0	2018
11880	145	141.00	17564	0	0	0	0	0	0	0	0	0	1	0	0	2018
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2018
12546	143	151.04	20881	0	0	0	0	0	0	0	0	0	0	1	1	2018
11768	168	186.52	40212	0	0	0	0	0	0	0	0	0	0	1	0	2018
11632	168	156.80	26691	0	0	0	0	0	0	0	0	0	0	1	0	2018
10758	168	258.78	83332	0	0	0	0	0	0	0	0	0	0	1	0	2018
10979	165	186.65	39330	0	0	0	0	0	0	0	0	0	0	0	0	2018
11515	163	179.66	36296	0	0	0	0	0	0	0	0	0	0	0	0	2018
11447	163	159.61	27294	0	0	0	0	0	0	0	0	0	0	0	0	2018
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2018
12171	71	153.89	10476	1	0	0	0	0	0	0	0	0	0	0	1	2019
11979	168	147.24	22231	1	0	0	0	0	0	0	0	0	0	0	0	2019
11873	168	153.68	25063	1	0	0	0	0	0	0	0	0	0	0	0	2019
12235	168	150.61	24726	1	0	0	0	0	0	0	0	0	0	0	0	2019
11669	93	159.14	14612	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2019
11264	64	168.58	15670	0	0	1	0	0	0	0	0	0	0	0	0	2019
10931	32	188.25	9454	0	0	1	0	0	0	0	0	0	0	0	1	2019
9952	168	191.46	43042	0	0	1	0	0	0	0	0	0	0	0	0	2019
10713	168	212.93	54121	0	0	1	0	0	0	0	0	0	0	0	0	2019
11371	166	189.28	39898	0	0	0	1	0	0	0	0	0	0	0	0	2019
11014	167	224.24	56962	0	0	0	1	0	0	0	0	0	0	0	0	2019
11590	168	192.45	40982	0	0	0	1	0	0	0	0	0	0	0	0	2019
11510	163	197.59	43420	0	0	0	1	0	0	0	0	0	0	0	0	2019
9952	97	252.09	43029	0	0	0	0	1	0	0	0	0	0	0	0	2019
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2019
9923	92	238.91	37414	0	0	0	0	1	0	0	0	0	0	0	1	2019
10348	168	236.02	65471	0	0	0	0	1	0	0	0	0	0	0	0	2019
10204	109	248.71	52027	0	0	0	0	1	0	0	0	0	0	0	1	2019
11359	168	167.57	31152	0	0	0	0	0	1	0	0	0	0	0	0	2019
11765	168	174.81	34319	0	0	0	0	0	1	0	0	0	0	0	0	2019
10882	164	216.26	58475	0	0	0	0	0	1	0	0	0	0	0	0	2019
11045	144	203.48	51375	0	0	0	0	0	1	0	0	0	0	0	0	2019
10839	168	223.98	58479	0	0	0	0	0	0	1	0	0	0	0	0	2019
10994	168	231.75	61513	0	0	0	0	0	0	1	0	0	0	0	0	2019
11145	166	208.96	51519	0	0	0	0	0	0	1	0	0	0	0	0	2019

Data Base for DANIEL 2 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
11819	168	188.11	39487	0	0	0	0	0	0	1	0	0	0	0	0	2019
11949	168	189.45	40680	0	0	0	0	0	0	0	1	0	0	0	0	2019
11096	168	214.58	54504	0	0	0	0	0	0	0	1	0	0	0	0	2019
10989	168	231.86	63626	0	0	0	0	0	0	0	1	0	0	0	0	2019
11299	168	233.44	69291	0	0	0	0	0	0	0	1	0	0	0	0	2019
11341	168	191.60	42642	0	0	0	0	0	0	0	1	0	0	0	0	2019
10790	166	244.60	71931	0	0	0	0	0	0	0	0	1	0	0	0	2019
10704	163	254.69	76111	0	0	0	0	0	0	0	0	1	0	0	0	2019
10914	164	230.69	63898	0	0	0	0	0	0	0	0	1	0	0	0	2019
10818	168	244.94	69825	0	0	0	0	0	0	0	0	1	0	0	0	2019
10526	168	233.80	63216	0	0	0	0	0	0	0	0	0	1	0	0	2019
10947	120	198.56	32762	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	1	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
-1386	0	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	2019
12029	124	177.93	31980	0	0	0	0	0	0	0	0	0	0	0	1	2019
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	1	0	0	0	0	0	0	0	0	0	0	0	2020
11366	75	194.73	21687	1	0	0	0	0	0	0	0	0	0	0	1	2020
12103	168	152.33	25065	1	0	0	0	0	0	0	0	0	0	0	0	2020
12654	161	140.87	20122	0	1	0	0	0	0	0	0	0	0	0	0	2020
12202	108	168.79	23617	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	1	0	0	0	0	0	0	0	0	0	0	2020
11956	156	144.32	21778	0	0	1	0	0	0	0	0	0	0	0	1	2020
11718	167	147.95	22808	0	0	1	0	0	0	0	0	0	0	0	0	2020
11678	168	144.02	21019	0	0	1	0	0	0	0	0	0	0	0	0	2020
11726	166	145.46	22153	0	0	1	0	0	0	0	0	0	0	0	0	2020
10949	141	153.48	21933	0	0	1	0	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	1	0	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
0	0	0.00	0	0	0	0	0	1	0	0	0	0	0	0	0	2020
12364	68	197.72	20716	0	0	0	0	1	0	0	0	0	0	0	1	2020
11290	168	185.02	38253	0	0	0	0	0	1	0	0	0	0	0	0	2020
11693	168	163.77	30392	0	0	0	0	0	1	0	0	0	0	0	0	2020
11717	165	150.60	23872	0	0	0	0	0	1	0	0	0	0	0	0	2020
11176	168	186.38	42092	0	0	0	0	0	1	0	0	0	0	0	0	2020

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR	
7114	168	503.93	260260	0	0	0	0	0	0	1	0	0	0	0	0	2017	JUL
7142	168	513.93	269980	0	0	0	0	0	0	1	0	0	0	0	0	2017	
7142	168	514.32	270531	0	0	0	0	0	0	1	0	0	0	0	0	2017	
6981	168	522.38	276550	0	0	0	0	0	0	1	0	0	0	0	0	2017	
6986	168	513.23	268860	0	0	0	0	0	0	0	1	0	0	0	0	2017	
7111	168	519.55	273245	0	0	0	0	0	0	0	1	0	0	0	0	2017	
7233	168	535.57	288881	0	0	0	0	0	0	0	1	0	0	0	0	2017	
6982	168	499.86	254180	0	0	0	0	0	0	0	1	0	0	0	0	2017	
6760	131	507.34	221630	0	0	0	0	0	0	0	1	0	0	0	1	2017	
6892	168	512.79	268030	0	0	0	0	0	0	0	0	1	0	0	0	2017	
6957	168	443.57	208983	0	0	0	0	0	0	0	0	1	0	0	0	2017	
6817	168	543.92	297026	0	0	0	0	0	0	0	0	1	0	0	0	2017	
6588	168	533.24	286068	0	0	0	0	0	0	0	0	1	0	0	0	2017	
6698	168	520.57	273757	0	0	0	0	0	0	0	0	0	1	0	0	2017	
6915	168	524.19	276836	0	0	0	0	0	0	0	0	0	1	0	0	2017	
6755	168	523.05	276729	0	0	0	0	0	0	0	0	0	0	1	0	0	2017
6686	168	510.89	264611	0	0	0	0	0	0	0	0	0	1	0	0	2017	
6863	168	551.19	305124	0	0	0	0	0	0	0	0	0	1	0	0	2017	
7032	120	554.82	222739	0	0	0	0	0	0	0	0	0	0	1	0	2017	
6968	168	480.81	237807	0	0	0	0	0	0	0	0	0	0	1	0	2017	
6873	168	521.29	274334	0	0	0	0	0	0	0	0	0	0	1	0	2017	
6956	155	526.39	278443	0	0	0	0	0	0	0	0	0	0	0	0	2017	
6889	168	570.82	327256	0	0	0	0	0	0	0	0	0	0	0	0	2017	
6895	164	498.59	255660	0	0	0	0	0	0	0	0	0	0	0	0	2017	
6929	168	515.48	275897	0	0	0	0	0	0	0	0	0	0	0	0	2017	
6931	168	569.98	333381	1	0	0	0	0	0	0	0	0	0	0	0	2018	JAN
6974	168	496.04	261856	1	0	0	0	0	0	0	0	0	0	0	0	2018	
6951	168	542.71	303020	1	0	0	0	0	0	0	0	0	0	0	0	2018	
7013	168	476.18	241270	1	0	0	0	0	0	0	0	0	0	0	0	2018	
6912	144	503.09	224192	0	1	0	0	0	0	0	0	0	0	0	0	2018	
6943	168	461.39	228004	0	1	0	0	0	0	0	0	0	0	0	0	2018	
7012	168	444.28	216613	0	1	0	0	0	0	0	0	0	0	0	0	2018	
6804	168	512.17	266640	0	1	0	0	0	0	0	0	0	0	0	0	2018	
6797	168	519.15	271330	0	0	1	0	0	0	0	0	0	0	0	0	2018	
6913	149	498.92	238748	0	0	1	0	0	0	0	0	0	0	0	0	2018	
6893	168	516.96	275002	0	0	1	0	0	0	0	0	0	0	0	0	2018	
6940	168	513.57	269160	0	0	1	0	0	0	0	0	0	0	0	0	2018	
6896	144	520.34	238218	0	0	1	0	0	0	0	0	0	0	0	0	2018	
6744	168	536.93	293554	0	0	0	1	0	0	0	0	0	0	0	0	2018	
6713	168	553.95	308278	0	0	0	1	0	0	0	0	0	0	0	0	2018	
6686	168	547.45	301399	0	0	0	1	0	0	0	0	0	0	0	0	2018	
6735	168	515.02	274059	0	0	0	1	0	0	0	0	0	0	0	0	2018	
6742	168	524.11	281447	0	0	0	0	1	0	0	0	0	0	0	0	2018	
6869	168	489.53	254728	0	0	0	0	1	0	0	0	0	0	0	0	2018	
7058	70	303.34	45198	0	0	0	0	1	0	0	0	0	0	0	0	2018	
7181	34	418.18	48894	0	0	0	0	1	0	0	0	0	0	0	1	2018	
7032	144	422.85	171070	0	0	0	0	1	0	0	0	0	0	0	0	2018	
7099	168	479.27	244454	0	0	0	0	0	1	0	0	0	0	0	0	2018	
7099	168	492.67	252798	0	0	0	0	0	1	0	0	0	0	0	0	2018	
7084	168	520.40	275042	0	0	0	0	0	1	0	0	0	0	0	0	2018	
6860	144	489.69	248398	0	0	0	0	0	1	0	0	0	0	0	0	2018	
6839	168	515.08	269230	0	0	0	0	0	0	1	0	0	0	0	0	2018	JUL
6969	168	525.01	278809	0	0	0	0	0	0	1	0	0	0	0	0	2018	

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
6811	168	535.52	288045	0	0	0	0	0	0	1	0	0	0	0	0	2018
6552	168	529.67	282107	0	0	0	0	0	0	1	0	0	0	0	0	2018
6842	168	517.51	272976	0	0	0	0	0	0	0	1	0	0	0	0	2018
7150	168	523.55	277443	0	0	0	0	0	0	0	1	0	0	0	0	2018
7210	168	515.04	268828	0	0	0	0	0	0	0	1	0	0	0	0	2018
7139	168	539.03	291964	0	0	0	0	0	0	0	0	1	0	0	0	2018
7243	168	521.53	276367	0	0	0	0	0	0	0	0	1	0	0	0	2018
6947	168	512.99	270236	0	0	0	0	0	0	0	0	1	0	0	0	2018
6684	168	516.04	273503	0	0	0	0	0	0	0	0	1	0	0	0	2018
6817	168	540.78	293019	0	0	0	0	0	0	0	0	0	1	0	0	2018
6888	65	543.03	126132	0	0	0	0	0	0	0	0	0	1	0	0	2018
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2018
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2018
7421	165	239.76	58592	0	0	0	0	0	0	0	0	0	0	1	0	2018
7324	168	446.08	215083	0	0	0	0	0	0	0	0	0	0	1	0	2018
7343	168	471.88	229560	0	0	0	0	0	0	0	0	0	0	1	0	2018
7314	168	517.98	277988	0	0	0	0	0	0	0	0	0	0	1	0	2018
6774	168	495.83	258993	0	0	0	0	0	0	0	0	0	0	0	0	2018
6779	168	520.73	283060	0	0	0	0	0	0	0	0	0	0	0	0	2018
6806	168	391.77	175719	0	0	0	0	0	0	0	0	0	0	0	0	2018
6808	168	426.10	195164	0	0	0	0	0	0	0	0	0	0	0	0	2018
6742	168	467.62	230144	1	0	0	0	0	0	0	0	0	0	0	0	2019
6710	168	540.54	296323	1	0	0	0	0	0	0	0	0	0	0	0	2019
6721	168	488.64	258124	1	0	0	0	0	0	0	0	0	0	0	0	2019
6800	168	447.93	218756	1	0	0	0	0	0	0	0	0	0	0	0	2019
6722	168	498.26	256842	0	1	0	0	0	0	0	0	0	0	0	0	2019
6682	168	539.41	292640	0	1	0	0	0	0	0	0	0	0	0	0	2019
6664	168	533.75	285758	0	1	0	0	0	0	0	0	0	0	0	0	2019
6503	168	536.90	288843	0	1	0	0	0	0	0	0	0	0	0	0	2019
6900	168	500.96	258935	0	0	1	0	0	0	0	0	0	0	0	0	2019
6938	167	537.62	292201	0	0	1	0	0	0	0	0	0	0	0	0	2019
6927	168	526.58	279423	0	0	1	0	0	0	0	0	0	0	0	0	2019
7060	168	351.72	142988	0	0	1	0	0	0	0	0	0	0	0	0	2019
6887	168	264.48	70088	0	0	1	0	0	0	0	0	0	0	0	0	2019
6753	168	259.50	67394	0	0	0	1	0	0	0	0	0	0	0	0	2019
6821	168	254.39	64759	0	0	0	1	0	0	0	0	0	0	0	0	2019
6709	168	256.08	65677	0	0	0	1	0	0	0	0	0	0	0	0	2019
6499	168	256.29	65715	0	0	0	1	0	0	0	0	0	0	0	0	2019
6720	168	249.24	62155	0	0	0	0	1	0	0	0	0	0	0	0	2019
6850	168	247.01	61040	0	0	0	0	1	0	0	0	0	0	0	0	2019
6886	25	232.48	8724	0	0	0	0	1	0	0	0	0	0	0	0	2019
6945	112	259.96	56770	0	0	0	0	1	0	0	0	0	0	0	1	2019
6553	168	285.54	81989	0	0	0	0	1	0	0	0	0	0	0	0	2019
6612	168	294.92	87372	0	0	0	0	0	1	0	0	0	0	0	0	2019
6625	168	279.00	78630	0	0	0	0	0	1	0	0	0	0	0	0	2019
6608	168	289.74	84134	0	0	0	0	0	1	0	0	0	0	0	0	2019
6613	111	282.95	68100	0	0	0	0	0	1	0	0	0	0	0	1	2019
6631	168	288.92	83594	0	0	0	0	0	0	1	0	0	0	0	0	2019
6823	168	429.02	210635	0	0	0	0	0	0	1	0	0	0	0	0	2019
6838	145	460.12	250207	0	0	0	0	0	0	1	0	0	0	0	0	2019
6722	168	606.55	372048	0	0	0	0	0	0	1	0	0	0	0	0	2019
6721	168	614.06	378779	0	0	0	0	0	0	0	1	0	0	0	0	2019
6699	168	619.28	384595	0	0	0	0	0	0	0	1	0	0	0	0	2019

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Hr	AMW	LSRF	J	F	M	A	M	J	J	A	S	O	N	NS	YR
6736	168	617.06	382580	0	0	0	0	0	0	0	1	0	0	0	0	2019
6756	168	619.38	384861	0	0	0	0	0	0	0	1	0	0	0	0	2019
6719	168	566.39	332306	0	0	0	0	0	0	0	1	0	0	0	0	2019
6801	168	593.71	359947	0	0	0	0	0	0	0	0	1	0	0	0	2019
6727	168	602.52	365461	0	0	0	0	0	0	0	0	1	0	0	0	2019
6754	168	605.93	368633	0	0	0	0	0	0	0	0	1	0	0	0	2019
6785	168	614.67	379087	0	0	0	0	0	0	0	0	1	0	0	0	2019
6664	168	629.62	396736	0	0	0	0	0	0	0	0	0	1	0	0	2019
6656	168	627.78	394308	0	0	0	0	0	0	0	0	0	1	0	0	2019
6582	168	618.48	383413	0	0	0	0	0	0	0	0	0	1	0	0	2019
6626	168	536.21	309341	0	0	0	0	0	0	0	0	0	1	0	0	2019
6759	101	586.37	218820	0	0	0	0	0	0	0	0	0	1	0	0	2019
0	0	0.00	0	0	0	0	0	0	0	0	0	0	1	0	0	2019
6607	114	594.18	262565	0	0	0	0	0	0	0	0	0	1	1	0	2019
6562	168	583.67	344000	0	0	0	0	0	0	0	0	0	1	0	0	2019
6705	168	540.51	300166	0	0	0	0	0	0	0	0	0	0	1	0	2019
7029	168	621.60	387596	0	0	0	0	0	0	0	0	0	0	0	0	2019
7065	168	623.47	390113	0	0	0	0	0	0	0	0	0	0	0	0	2019
6976	168	589.25	356323	0	0	0	0	0	0	0	0	0	0	0	0	2019
7144	168	538.47	296370	0	0	0	0	0	0	0	0	0	0	0	0	2019
6985	168	590.79	352409	1	0	0	0	0	0	0	0	0	0	0	0	2020
7016	168	602.68	365430	1	0	0	0	0	0	0	0	0	0	0	0	2020
6999	168	607.44	372863	1	0	0	0	0	0	0	0	0	0	0	0	2020
6980	168	628.87	397155	1	0	0	0	0	0	0	0	0	0	0	0	2020
6952	168	625.32	392613	0	1	0	0	0	0	0	0	0	0	0	0	2020
6949	168	613.63	378768	0	1	0	0	0	0	0	0	0	0	0	0	2020
6947	168	595.48	359105	0	1	0	0	0	0	0	0	0	0	0	0	2020
6940	168	606.79	372322	0	1	0	0	0	0	0	0	0	0	0	0	2020
6995	72	495.33	115694	0	0	1	0	0	0	0	0	0	0	0	0	2020
6951	55	562.35	118128	0	0	1	0	0	0	0	0	0	0	0	1	2020
6974	168	619.76	385350	0	0	1	0	0	0	0	0	0	0	0	0	2020
7066	143	575.34	300149	0	0	1	0	0	0	0	0	0	0	0	1	2020
7017	168	598.54	360888	0	0	1	0	0	0	0	0	0	0	0	0	2020
7009	102	497.49	168728	0	0	0	1	0	0	0	0	0	0	0	1	2020
6976	168	592.95	354330	0	0	0	1	0	0	0	0	0	0	0	0	2020
6977	168	628.35	396028	0	0	0	1	0	0	0	0	0	0	0	0	2020
7005	168	577.32	340171	0	0	0	1	0	0	0	0	0	0	0	0	2020
7007	168	576.13	338141	0	0	0	0	1	0	0	0	0	0	0	0	2020
6958	168	592.76	354525	0	0	0	0	1	0	0	0	0	0	0	0	2020
7042	168	616.03	381696	0	0	0	0	1	0	0	0	0	0	0	0	2020
7043	168	581.03	346336	0	0	0	0	1	0	0	0	0	0	0	0	2020
7047	168	617.13	382468	0	0	0	0	1	0	0	0	0	0	0	0	2020
7106	168	623.71	390722	0	0	0	0	0	1	0	0	0	0	0	0	2020
7110	168	587.44	352097	0	0	0	0	0	1	0	0	0	0	0	0	2020
7080	168	594.49	363342	0	0	0	0	0	1	0	0	0	0	0	0	2020
7128	168	606.34	372045	0	0	0	0	0	1	0	0	0	0	0	0	2020

Data Base for SMITH 3 Target Heat Rate Equation

HtRt	Average net operating heat rate based on unadjusted measured fuel consumption, before adjustment for unit start ups after shut down 24 hours or more, in BTU/Kwh.
Hr	Number of hours the unit was synchronized during the week.
AMW	Average load on the unit, in MW.
LSRF	Load square range factor, in MW^2.
J to N	The number 1 indicates the month of the observation. All 0's indicate December.
NS	Number of start ups during the week after being shut down for 24 hours or more.
YR	The year of the observation.
*	Indicates data points removed from the analysis of the target heat rate equation because they were out of the 90% confidence interval.

Calculation of
Target Average Net Operating Heat Rates
for January 2021 - December 2021

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
SCHERER 3	Jan '21	401.7	183,109	11,086	113,268	
	Feb '21	254.4	74,084	11,911	1,018	
	Mar '21	0.0	0	-	0	
	Apr '21	0.0	0	-	0	
	May '21	288.3	94,992	11,647	100,341	
	Jun '21	337.3	129,633	11,660	220,601	
	Jul '21	363.1	149,973	11,380	266,495	
	Aug '21	404.6	185,729	11,075	258,118	
	Sep '21	349.1	138,756	11,300	155,356	
	Oct '21	0.0	0	-	0	
	Nov '21	0.0	0	-	0	
	Dec '21	366.7	152,926	11,222	85,064	11,339
CRIST 7	Jan '21	149.4	10,267	12,454	21,369	
	Feb '21	0.0	0	-	0	
	Mar '21	142.6	8,493	12,630	96,951	
	Apr '21	286.8	72,952	10,797	202,743	
	May '21	329.8	103,073	10,599	50,790	
	Jun '21	323.4	98,272	10,826	228,616	
	Jul '21	337.3	108,839	10,572	246,542	
	Aug '21	329.6	102,921	10,600	240,964	
	Sep '21	310.6	89,005	10,679	219,564	
	Oct '21	214.6	33,639	10,979	156,872	
	Nov '21	165.5	14,968	11,306	35,904	
	Dec '21	0.0	0	-	0	10,882

NOTE: Column (3) monthly ANOHR's are determined using the values from columns (1) and (2) in the target ANOHR equation on Page 2 of Schedule 1.

Column (5) = $(\Sigma ((3) * (4))) / (\Sigma (4))$

Calculation of
Target Average Net Operating Heat Rates
for January 2021 - December 2021

Unit	Month	(1) Forecast AKW * 10^3	(2) Forecast LSRF * 10^6	(3) Forecast Monthly ANOHR	(4) Forecast AKWH * 10^3 Generation	(5) Weighted ANOHR Target
DANIEL 1	Jan '21	368.2	139,076	10,031	76,590	
	Feb '21	0.0	0	-	0	
	Mar '21	239.5	56,213	11,464	163,345	
	Apr '21	221.0	47,325	10,992	74,246	
	May '21	238.0	55,464	10,807	142,814	
	Jun '21	287.3	82,695	10,558	165,776	
	Jul '21	317.5	102,042	10,239	162,257	
	Aug '21	309.0	96,392	10,283	175,192	
	Sep '21	275.3	75,570	10,492	13,488	
	Oct '21	0.0	0	-	0	
	Nov '21	141.9	17,895	11,845	17,451	
	Dec '21	283.3	80,285	10,437	27,196	10,650
DANIEL 2	Jan '21	331.8	123,311	10,300	231,258	
	Feb '21	311.9	108,326	10,371	187,141	
	Mar '21	304.4	102,929	10,092	128,140	
	Apr '21	341.6	131,047	10,459	117,153	
	May '21	270.2	80,064	10,578	64,848	
	Jun '21	347.6	135,899	10,252	241,910	
	Jul '21	368.4	153,400	10,200	264,844	
	Aug '21	359.2	145,529	10,222	258,258	
	Sep '21	347.9	136,144	10,251	223,003	
	Oct '21	283.5	88,616	10,502	193,055	
	Nov '21	274.2	82,591	10,554	151,898	
	Dec '21	275.1	83,165	10,549	178,544	10,334
SMITH 3	Jan '21	617.5	376,997	6,929	443,384	
	Feb '21	613.6	372,244	6,856	261,414	
	Mar '21	632.5	395,556	6,931	457,945	
	Apr '21	647.2	414,171	6,932	461,456	
	May '21	643.2	409,063	6,932	473,400	
	Jun '21	637.6	401,966	6,931	453,967	
	Jul '21	639.6	404,494	6,932	471,413	
	Aug '21	638.9	403,608	6,931	470,843	
	Sep '21	636.3	400,327	6,931	362,670	
	Oct '21	647.0	413,915	6,773	430,904	
	Nov '21	641.6	407,029	6,932	316,940	
	Dec '21	611.5	369,698	6,929	404,821	6,913

NOTE: Column (3) monthly ANOHR's are determined using the values from columns (1) and (2) in the target ANOHR equation on Page 2 of Schedule 1.

Column (5) = $(\Sigma ((3) * (4))) / (\Sigma (4))$

Summary of Target, Maximum, and Minimum
Average Net Operating Heat Rates
for January 2021 - December 2021

Unit	Target Heat Rate BTU/KWH (0 Points)	Minimum Attainable Heat Rate (+ 10 Points)	Maximum Attainable Heat Rate (- 10 Points)
SCHERER 3	11,339	10,999	11,679
CRIST 7	10,882	10,556	11,208
DANIEL 1	10,650	10,331	10,970
DANIEL 2	10,334	10,024	10,644
SMITH 3	6,913	6,706	7,120

II. DETERMINATION OF EQUIVALENT AVAILABILITY TARGETS

Calculation of
Target Equivalent Availabilities
for January 2021 - December 2021

Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR *	Planned Outage Hours for Jan '21 - Dec '21	Reserve Shutdown Hours for Jan '21 - Dec '21	Target Equivalent Availability **
Scherer 3	0.0256	336	5,007	95.3
Crist 7	0.1478	0	2,288	89.0
Daniel 1	0.0848	1	4,443	93.9
Daniel 2	0.0855	0	1,223	93.4
Smith 3	0.0419	432	92	91.2

* For Period July 2015 through June 2020.

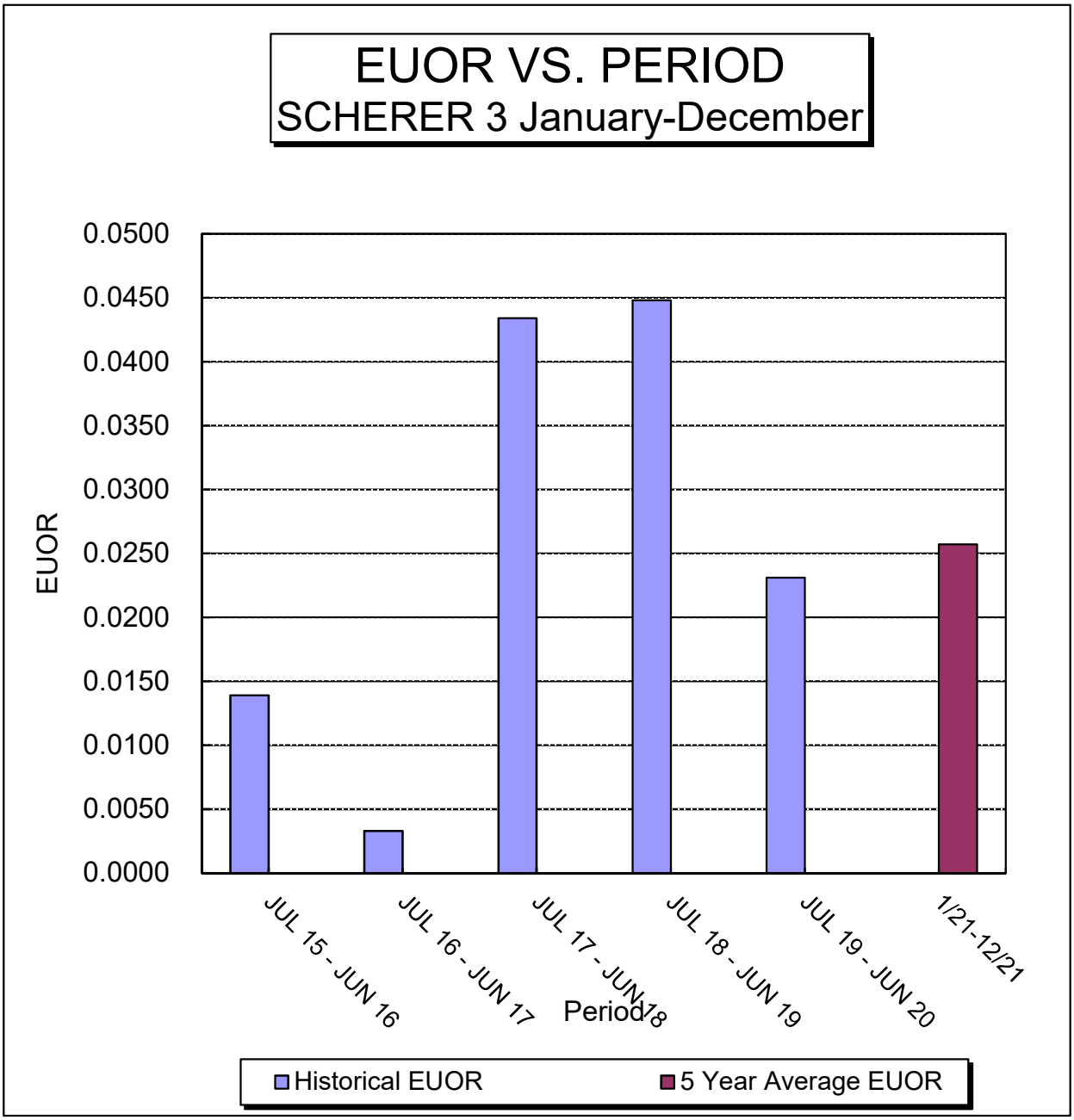
** EA = [1 - (POH + EUOR * (PH - POH - RSH)) / PH] * 100

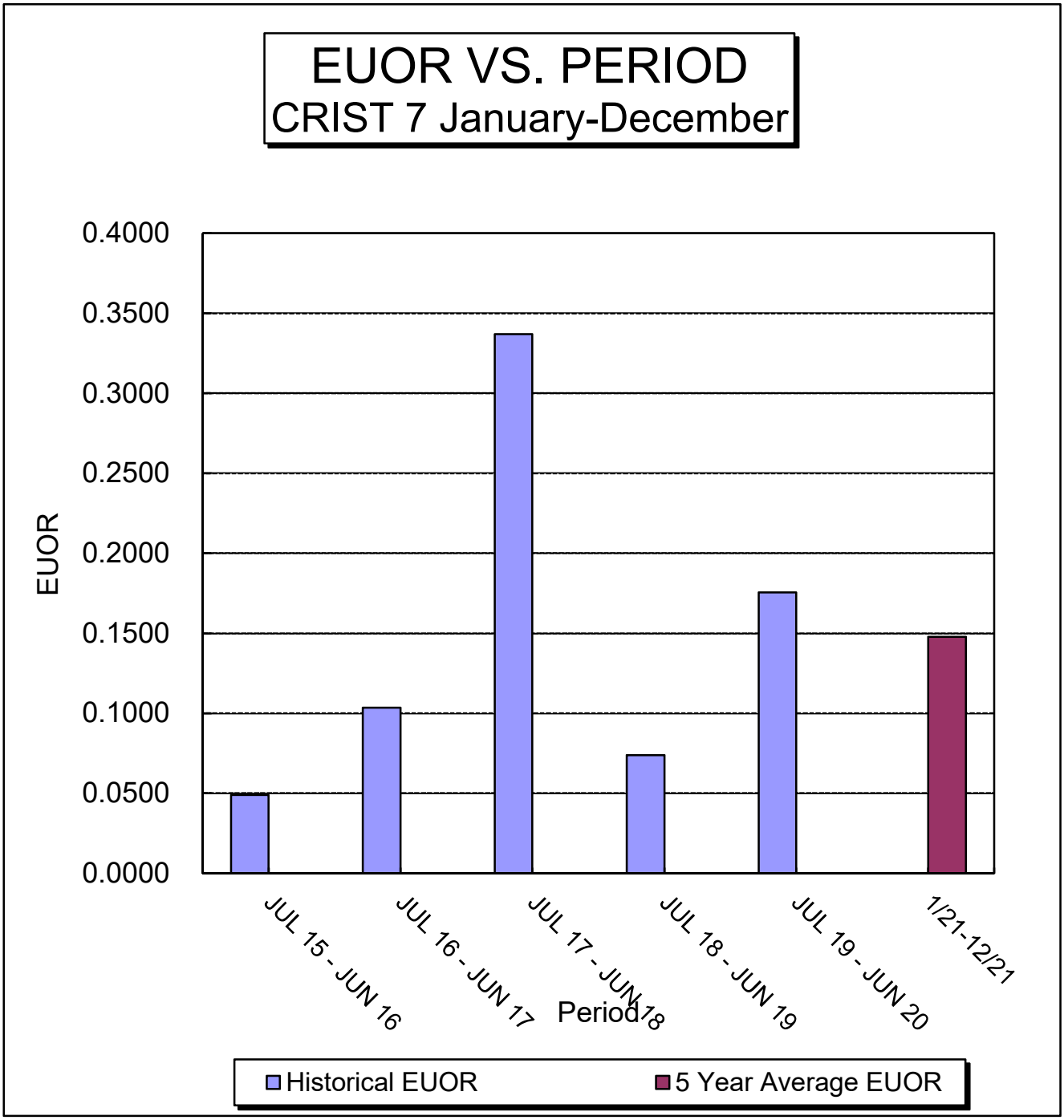
Calculation of Maximum and Minimum
Attainable Equivalent Availabilities
for January 2021 - December 2021

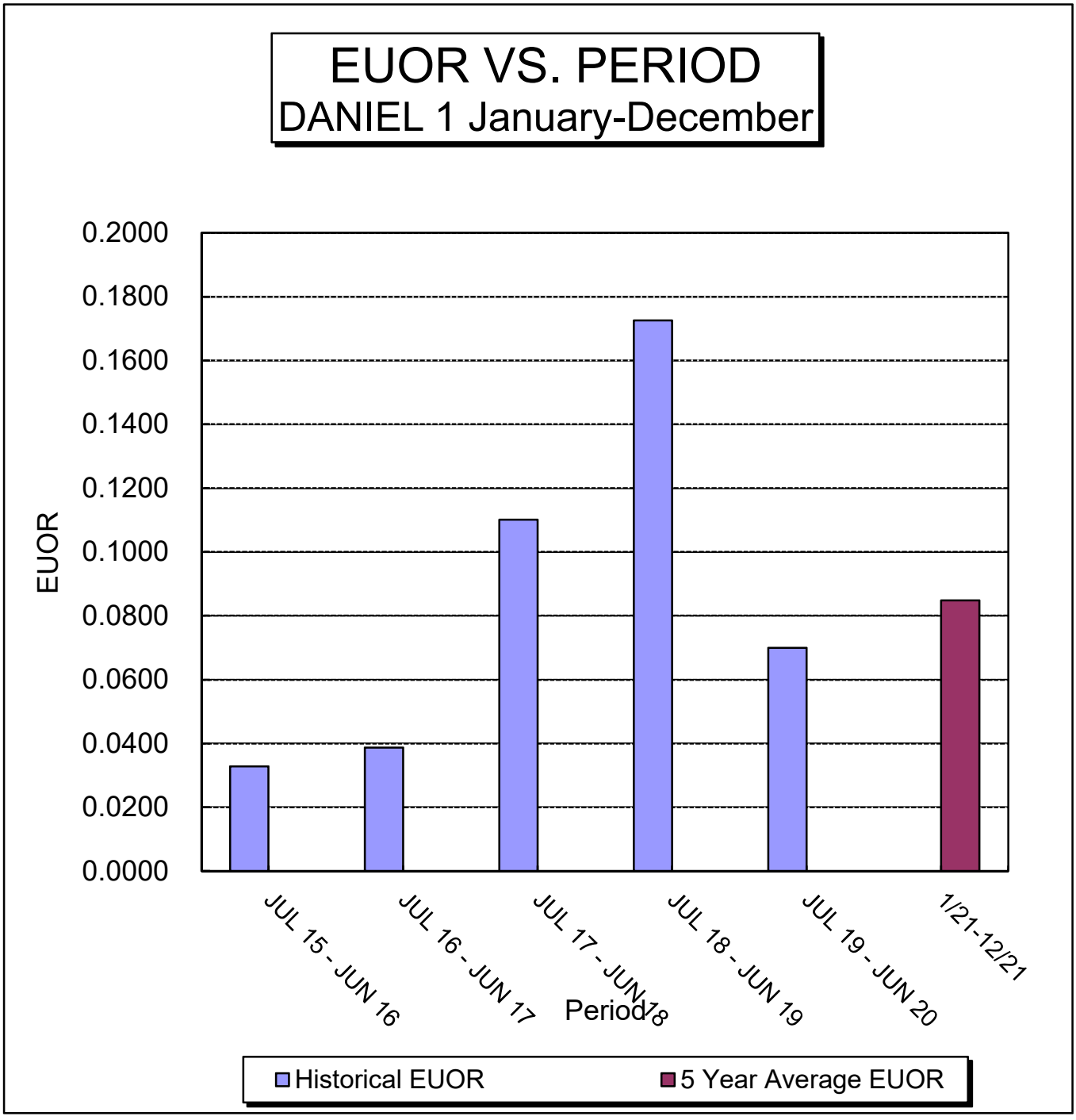
Unit	5 Year Historical Average of Equivalent Unplanned Outage Rate, EUOR (TARGET EUOR)	Minimum Attainable EUOR 70% of Target EUOR	Maximum Attainable Equivalent Availability	Maximum Attainable EUOR 145% of Target EUOR	Minimum Attainable Equivalent Availability
Scherer 3	0.0256	0.0179	95.5	0.0371	94.7
Crist 7	0.1478	0.1035	92.4	0.2143	84.2
Daniel 1	0.0848	0.0594	97.1	0.1230	93.9
Daniel 2	0.0855	0.0599	94.8	0.1240	89.3
Smith 3	0.0419	0.0293	92.3	0.0608	89.4

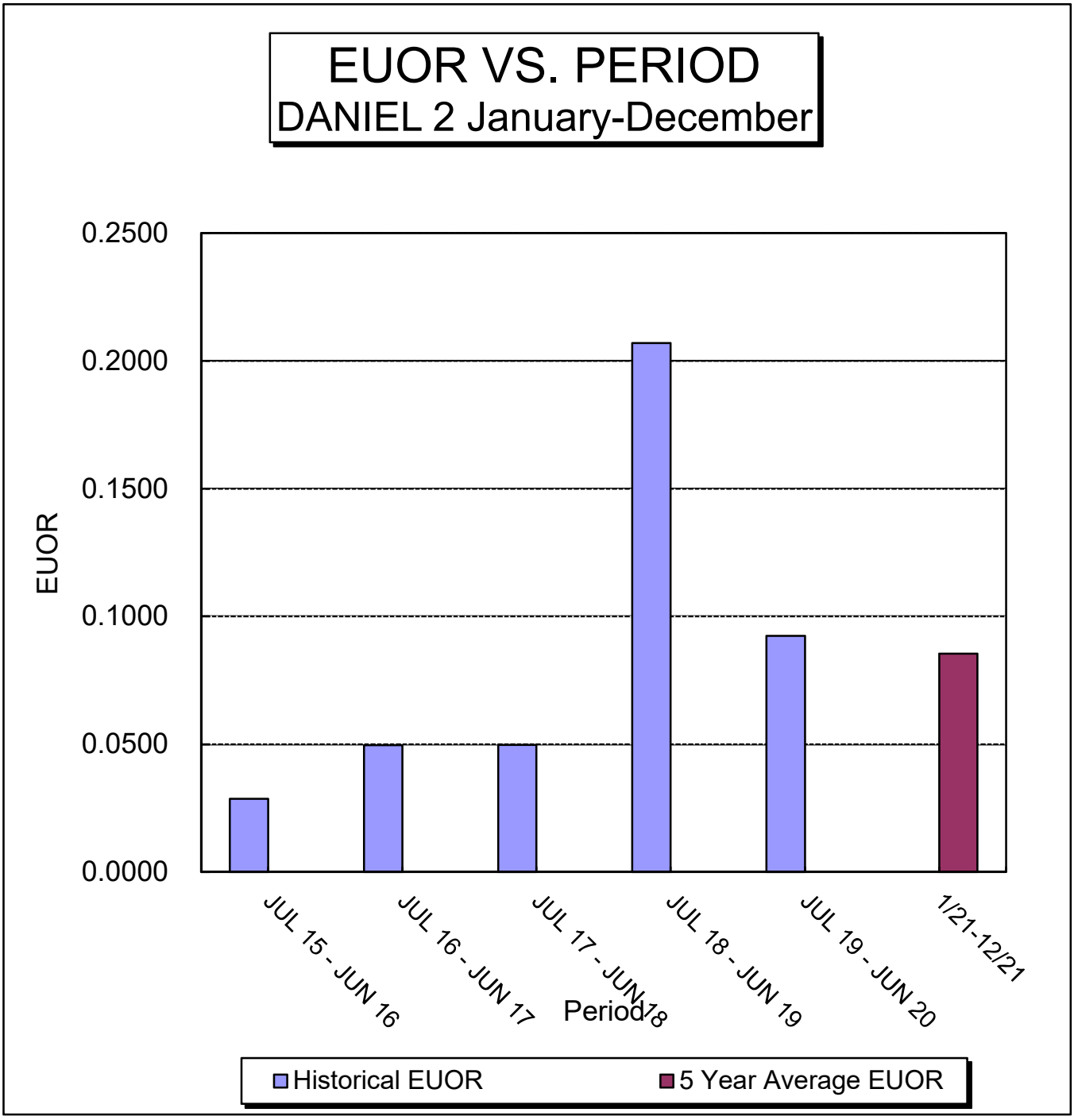
Summary of Target, Maximum, and Minimum
Equivalent Availabilities
for January 2021 - December 2021

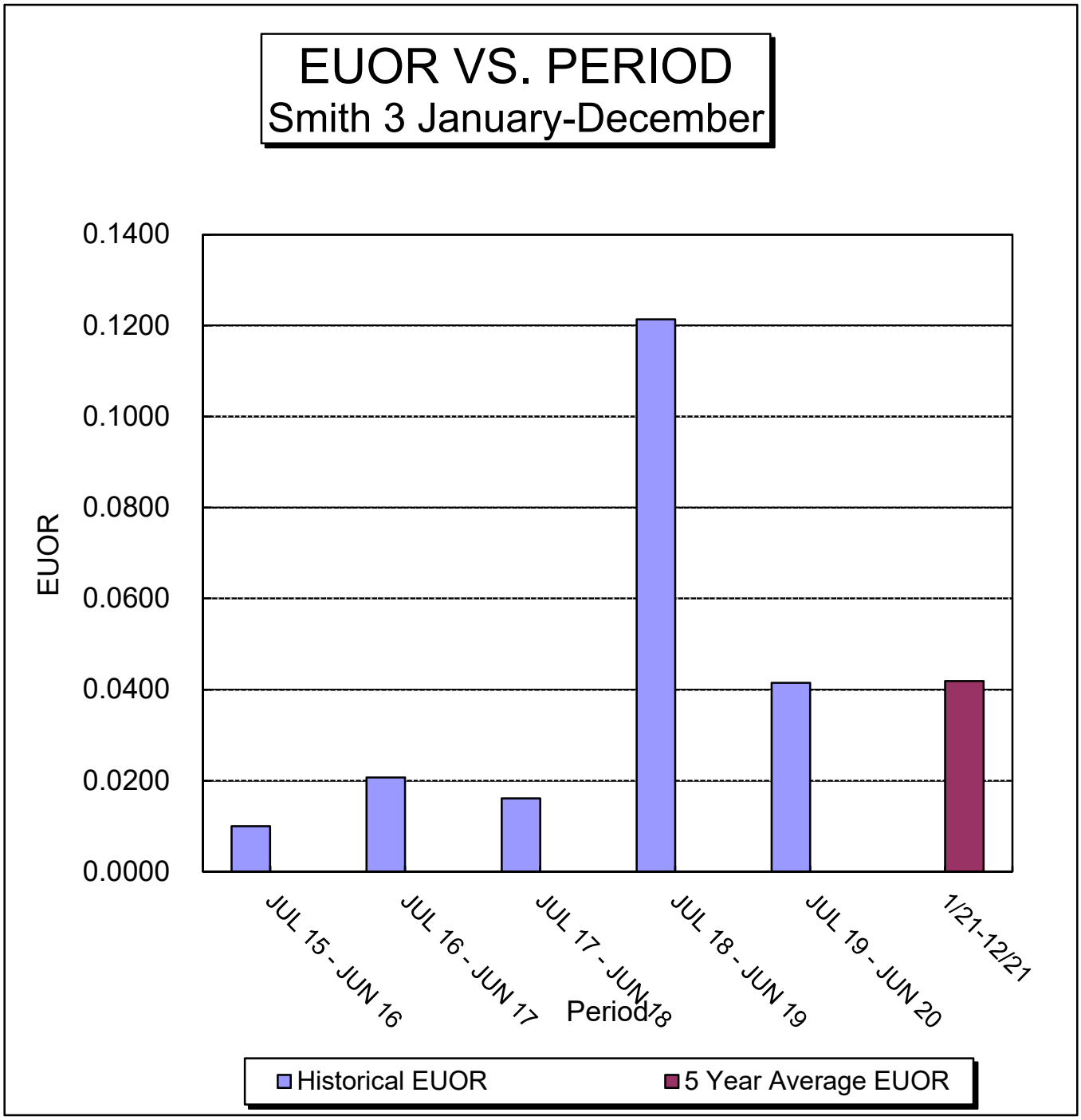
Unit	Target Equivalent Availability (0 Points)	Maximum Attainable Equivalent Availability (+10 Points)	Minimum Attainable Equivalent Availability (-10 Points)
Scherer 3	95.3	95.5	94.7
Crist 7	89.0	92.4	84.2
Daniel 1	93.9	97.1	93.9
Daniel 2	93.4	94.8	89.3
Smith 3	91.2	92.3	89.4


EUOR VS. PERIOD
SCHERER 3 January-December
EUOR
0.0500
0.0450
0.0400
0.0350
0.0300
0.0250
0.0200
0.0150
0.0100
0.0050
0.0000
JUL 15 - JUN 16
JUL 16 - JUN 17
JUL 17 - JUN 18
JUL 18 - JUN 19
JUL 19 - JUN 20
1/21-12/21
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
CRIST 7 January-December
0.4000
0.3500
0.3000
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
JUL 15 - JUN 16
JUL 16 - JUN 17
JUL 17 - JUN 18
JUL 18 - JUN 19
JUL 19 - JUN 20
1/21-12/21
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 1 January-December
0.2000
0.1800
0.1600
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
JUL 15 - JUN 16
JUL 16 - JUN 17
JUL 17 - JUN 18
JUL 18 - JUN 19
JUL 19 - JUN 20
1/21-12/21
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
DANIEL 2 January-December
0.2500
0.2000
0.1500
0.1000
0.0500
0.0000
EUOR
JUL 15 - JUN 16
JUL 16 - JUN 17
JUL 17 - JUN 18
JUL 18 - JUN 19
JUL 19 - JUN 20
1/21-12/21
Period
Historical EUOR
5 Year Average EUOR


EUOR VS. PERIOD
Smith 3 January-December
0.1400
0.1200
0.1000
0.0800
0.0600
0.0400
0.0200
0.0000
EUOR
JUL 15 - JUN 16
JUL 16 - JUN 17
JUL 17 - JUN 18
JUL 18 - JUN 19
JUL 19 - JUN 20
1/21-12/21
Period
Historical EUOR
5 Year Average EUOR

III. GPIF MINIMUM FILING REQUIREMENTS FOR THE PERIOD JANUARY 2021 - DECEMBER 2021

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Generating Performance Incentive Factor

Estimated Reward/Penalty Table

Gulf Power Company

Period of: January 2021 - December 2021

Generating Performance Incentive Factor Points	Fuel Saving/Loss ($000)	Generating Performance Incentive Factor ($000)
	Maximum Attainable Fuel Savings	Maximum Incentive Dollars Allowed by Commission During Period (Reward)
+ 10	4271	2136
+ 9	3844	1922
+ 8	3417	1708
+ 7	2990	1495
+ 6	2563	1281
+ 5	2136	1068
+ 4	1708	854
+ 3	1281	641
+ 2	854	427
+ 1	427	214
0	0	0
- 1	-430	-214
- 2	-860	-427
- 3	-1290	-641
- 4	-1720	-854
- 5	-2150	-1068
- 6	-2580	-1281
- 7	-3010	-1495
- 8	-3440	-1708
- 9	-3870	-1922
- 10	-4300	-2136
	Minimum Attainable Fuel Loss	Maximum Incentive Dollars Allowed by Commission During Period (Penalty)

Generating Performance Incentive Factor

Calculation of Maximum Allowed Incentive Dollars

Estimated

Gulf Power Company

Period of: January 2021 - December 2021

Line 1	Beginning of Period Balance of Common Equity	$2,790,631,544
	End of Month Balance of Common Equity:	
Line 2	Month of Jan '21	$2,748,152,095
Line 3	Month of Feb '21	$2,764,276,279
Line 4	Month of Mar '21	$2,778,194,006
Line 5	Month of Apr '21	$2,790,204,779
Line 6	Month of May '21	$2,810,899,869
Line 7	Month of Jun '21	$2,840,697,408
Line 8	Month of Jul '21	$2,873,271,411
Line 9	Month of Aug '21	$2,904,932,331
Line 10	Month of Sep '21	$2,990,254,157
Line 11	Month of Oct '21	$3,008,704,710
Line 12	Month of Nov '21	$3,023,707,815
Line 13	Month of Dec '21	$3,041,748,684
Line 14	Average Common Equity for the Period (sum of line 1 through line 13 divided by 13)	$2,874,282,699
Line 15	25 Basis Points	0.0025
Line 16	Revenue Expansion Factor	75.2353%
Line 17	Maximum Allowed Incentive Dollars (line 14 multiplied by line 15 divided by line 16 multiplied by 1.0)	$9,550,978
Line 18	Jurisdictional Sales (KWH)	10,730,067,065
Line 19	Total Territorial Sales (KWH)	11,023,353,528
Line 20	Jurisdictional Separation Factor (line 18 divided by line 19)	97.3394%
Line 21	Maximum Allowed Jurisdictional Incentive Dollars (line 17 multiplied by line 20)	$9,296,865
Line 22	Incentive Cap (50% of Projected Fuel Savings at 10 GPIF point level from sheet 6.391.7)	$2,135,500
Line 23	Maximum Allowed GPIF Reward (at 10 GPIF Pt. leve (The lesser of Line 21 and Line 22)	$2,135,500

Issued by: Gulf Power Company

GPIF Unit Performance Summary

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Weighting Factor %	EAF Target %	EAF Range Max %	EAF Range Min %	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Scherer 3	0.0%	95.3	95.5	94.7	$1	($4)
Crist 7	0.4%	89.0	92.4	84.2	$16	($20)
Daniel 1	0.0%	93.9	97.1	93.9	$1	($1)
Daniel 2	0.0%	93.4	94.8	89.3	$2	($5)
Smith 3	2.6%	91.2	92.3	89.4	$110	($129)

Plant & Unit	Weighting Factor %	ANOHR Target BTU/KWH	Target NOF	ANOHR Range Min BTU/KWH	ANOHR Range Max BTU/KWH	Max Fuel Savings ($000)	Max Fuel Loss ($000)
Scherer 3	1.3%	11,339	41.6	10,999	11,679	$57	($57)
Crist 7	12.2%	10,882	57.3	10,556	11,208	$519	($519)
Daniel 1	1.1%	10,650	54.1	10,331	10,970	$45	($45)
Daniel 2	4.8%	10,334	64.1	10,024	10,644	$205	($205)
Smith 3	77.6%	6,913	95.9	6,706	7,120	$3,315	($3,315)

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Target			Actual Performance 1st Prior Period Jul '19 - Jun '20			Actual Performance 2nd Prior Period Jul '18 - Jun '19		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.0%	0.8%	0.0384	0.0090	0.0256	0.1869	0.0363	0.0448	0.0000	0.0421	0.0434
Crist 7	0.4%	12.3%	0.0000	0.1100	0.1478	0.0417	0.0659	0.0739	0.1794	0.2710	0.3370
Daniel 1	0.0%	0.8%	0.0001	0.0647	0.0848	0.0000	0.1245	0.1726	0.1545	0.0802	0.1101
Daniel 2	0.0%	1.5%	0.0000	0.0659	0.0855	0.0000	0.1722	0.2070	0.0247	0.0353	0.0498
Smith 3	2.6%	84.6%	0.0493	0.0389	0.0419	0.0230	0.1183	0.1214	0.0499	0.0153	0.0161
Weighted GPIF System Average:			0.0420	0.0480	0.0558	0.0260	0.1121	0.1167	0.0659	0.0478	0.0570

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Availability

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Actual Performance 3rd Prior Period Jul '17 - Jun '18			Actual Performance 4th Prior Period Jul '16 - Jun '17			Actual Performance 5th Prior Period Jul '15 - Jun '16		
			POF	EUOF	EUOR	POF	EUOF	EUOR	POF	EUOF	EUOR
Scherer 3	0.0%	0.8%	0.1499	0.0024	0.0033	0.0000	0.0120	0.0139	0.1589	0.0550	0.0654
Crist 7	0.4%	12.3%	0.2417	0.0785	0.1036	0.1133	0.0322	0.0490	0.1938	0.0363	0.0453
Daniel 1	0.0%	0.8%	0.0372	0.0315	0.0387	0.0124	0.0135	0.0328	0.2231	0.0185	0.0324
Daniel 2	0.0%	1.5%	0.2074	0.0280	0.0497	0.0102	0.0153	0.0287	0.0495	0.0335	0.0480
Smith 3	2.6%	84.6%	0.1704	0.0171	0.0207	0.0583	0.0090	0.0100	0.0614	0.0182	0.0198
Weighted GPIF System Average:			0.1786	0.0248	0.0314	0.0635	0.0120	0.0153	0.0795	0.0209	0.0238

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Comparison of GPIF Targets vs. Actual Performance of Prior Periods

Average Net Operating Heat Rate

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Target Weighting Factor	Normalized Weighting Factor	Heat Rate Target	1st Prior Period Heat Rate Jul '19 - Jun '20	2nd Prior Period Heat Rate Jul '18 - Jun '19	3rd Prior Period Heat Rate Jul '17 - Jun '18
Scherer 3	1.3%	1.4%	11,339	11,631	11,331	11,296
Crist 7	12.2%	12.5%	10,882	11,406	10,800	10,857
Daniel 1	1.1%	1.1%	10,650	10,617	10,548	10,716
Daniel 2	4.8%	5.0%	10,334	10,729	10,459	10,333
Smith 3	77.6%	80.1%	6,913	6,984	6,886	6,960
Weighted GPIF System Average:			7,681	7,827	7,654	7,716

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Example Calculation of Prior Season

Average Net Operating Heat Rate

Adjusted to Target Basis

Crist 7 Jul '18 - Jun '19

	Jul Jan	Aug Feb	Sep Mar	Oct Apr	Nov May	Dec Jun
1. Target Heat Rate*	10572.0 12454.0	10600.0 -	10679.0 12630.0	10979.0 10797.0	11306.0 10599.0	- 10826.0
2. Target Heat Rate at Actual Conditions**	10585.0 10811.0	10586.0 10804.0	10455.0 10806.0	10274.0 10879.0	10141.0 10798.0	10703.0 11146.0
3. Adjustments to Actual Heat Rate (1-2)	-13.0 1643.0	14.0 0.0	224.0 1824.0	705.0 -82.0	1165.0 -199.0	0.0 -320.0
4. Actual Heat Rate for Prior Period	10440.0 10528.0	10314.0 10504.0	10749.0 10905.0	10182.0 10715.0	10343.0 10661.0	10791.0 10962.0
5. Adjusted actual Heat Rate (4+3)	10427.0 12171.0	10328.0 10504.0	10973.0 12729.0	10887.0 10633.0	11508.0 10462.0	10791.0 10642.0
6. Forecast Net MWH Generation*	246542.4 21368.9	240963.5 0.0	219564.3 96951.3	156871.6 202742.5	35904.3 50790.0	0.0 228616.2

7. Adjusted Actual Heat Rate for Jul '18 - Jun '19 = (Σ ((5) * (6))) / (Σ (6)) 10,800

* For the January 2021 - December 2021 time period.

** Based on the target heat rate equation from Page 2 of Schedule 1 using actual rather than forecast variable values.

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Derivation of Weighting Factors

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Unit Performance Indicator	Production Cost Simulation Fuel Cost ($000) At Target (1)	At Maximum Improvement (2)	Savings (3)	Weighting Factor (% of Savings)
Scherer 3	EA-3	$301,568	$301,567	$1	0.0%
Scherer 3	ANOHR-3	$301,568	$301,511	$57	1.3%
Crist 7	EA-4	$301,568	$301,552	$16	0.4%
Crist 7	ANOHR-4	$301,568	$301,049	$519	12.2%
Daniel 1	EA-5	$301,568	$301,567	$1	0.0%
Daniel 1	ANOHR-5	$301,568	$301,523	$45	1.1%
Daniel 2	EA-6	$301,568	$301,566	$2	0.0%
Daniel 2	ANOHR-6	$301,568	$301,363	$205	4.8%
Smith 3	EA-7	$301,568	$301,458	$110	2.6%
Smith 3	ANOHR-7	$301,568	$298,253	$3,315	77.6%

(1) Fuel Adjustment Base Case - All unit performance indicators at target.

(2) All other unit performance indicators at target.

(3) Expressed in replacement energy costs. Also includes variable operating and maintenance expense savings associated with availability improvements.

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2021 - December 2021

Scherer 3

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	1	95.50	+ 10	57	10,999
+ 9	1	95.47	+ 9	51	11,026
+ 8	1	95.44	+ 8	46	11,052
+ 7	1	95.41	+ 7	40	11,079
+ 6	1	95.38	+ 6	34	11,105
+ 5	1	95.35	+ 5	29	11,132
+ 4	0	95.32	+ 4	23	11,158
+ 3	0	95.29	+ 3	17	11,185
+ 2	0	95.26	+ 2	11	11,211
+ 1	0	95.23	+ 1	6	11,238
				0	11,264
0	0	95.20	0	0	11,339
				0	11,414
- 1	(0)	95.15	- 1	(6)	11,441
- 2	(1)	95.10	- 2	(11)	11,467
- 3	(1)	95.05	- 3	(17)	11,494
- 4	(2)	95.00	- 4	(23)	11,520
- 5	(2)	94.95	- 5	(29)	11,547
- 6	(2)	94.90	- 6	(34)	11,573
- 7	(3)	94.85	- 7	(40)	11,600
- 8	(3)	94.80	- 8	(46)	11,626
- 9	(4)	94.75	- 9	(51)	11,653
- 10	(4)	94.70	- 10	(57)	11,679
Weighting Factor:		0.000	Weighting Factor:		0.013

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2021 - December 2021

Crist 7

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	16	92.40	+ 10	519	10,556
+ 9	14	92.07	+ 9	467	10,581
+ 8	13	91.74	+ 8	415	10,606
+ 7	11	91.41	+ 7	363	10,631
+ 6	10	91.08	+ 6	311	10,656
+ 5	8	90.75	+ 5	260	10,682
+ 4	6	90.42	+ 4	208	10,707
+ 3	5	90.09	+ 3	156	10,732
+ 2	3	89.76	+ 2	104	10,757
+ 1	2	89.43	+ 1	52	10,782
				0	10,807
0	0	89.10	0	0	10,882
				0	10,957
- 1	(2)	88.61	- 1	(52)	10,982
- 2	(4)	88.12	- 2	(104)	11,007
- 3	(6)	87.63	- 3	(156)	11,032
- 4	(8)	87.14	- 4	(208)	11,057
- 5	(10)	86.65	- 5	(260)	11,083
- 6	(12)	86.16	- 6	(311)	11,108
- 7	(14)	85.67	- 7	(363)	11,133
- 8	(16)	85.18	- 8	(415)	11,158
- 9	(18)	84.69	- 9	(467)	11,183
- 10	(20)	84.20	- 10	(519)	11,208
Weighting Factor:		0.004	Weighting Factor:		0.122

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2021 - December 2021

Daniel 1

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	1	97.10	+ 10	45	10,331
+ 9	1	96.97	+ 9	41	10,355
+ 8	1	96.84	+ 8	36	10,380
+ 7	1	96.71	+ 7	32	10,404
+ 6	1	96.58	+ 6	27	10,429
+ 5	1	96.45	+ 5	23	10,453
+ 4	0	96.32	+ 4	18	10,477
+ 3	0	96.19	+ 3	14	10,502
+ 2	0	96.06	+ 2	9	10,526
+ 1	0	95.93	+ 1	5	10,551
				0	10,575
0	0	95.80	0	0	10,650
				0	10,725
- 1	(0)	95.61	- 1	(5)	10,750
- 2	(0)	95.42	- 2	(9)	10,774
- 3	(0)	95.23	- 3	(14)	10,799
- 4	(0)	95.04	- 4	(18)	10,823
- 5	(1)	94.85	- 5	(23)	10,848
- 6	(1)	94.66	- 6	(27)	10,872
- 7	(1)	94.47	- 7	(32)	10,897
- 8	(1)	94.28	- 8	(36)	10,921
- 9	(1)	94.09	- 9	(41)	10,946
- 10	(1)	93.90	- 10	(45)	10,970
Weighting Factor:		0.000	Weighting Factor:		0.011

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2021 - December 2021

Daniel 2

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	2	94.80	+ 10	205	10,024
+ 9	2	94.58	+ 9	185	10,048
+ 8	2	94.36	+ 8	164	10,071
+ 7	1	94.14	+ 7	144	10,095
+ 6	1	93.92	+ 6	123	10,118
+ 5	1	93.70	+ 5	103	10,142
+ 4	1	93.48	+ 4	82	10,165
+ 3	1	93.26	+ 3	62	10,189
+ 2	0	93.04	+ 2	41	10,212
+ 1	0	92.82	+ 1	21	10,236
				0	10,259
0	0	92.60	0	0	10,334
				0	10,409
- 1	(1)	92.27	- 1	(21)	10,433
- 2	(1)	91.94	- 2	(41)	10,456
- 3	(2)	91.61	- 3	(62)	10,480
- 4	(2)	91.28	- 4	(82)	10,503
- 5	(3)	90.95	- 5	(103)	10,527
- 6	(3)	90.62	- 6	(123)	10,550
- 7	(4)	90.29	- 7	(144)	10,574
- 8	(4)	89.96	- 8	(164)	10,597
- 9	(5)	89.63	- 9	(185)	10,621
- 10	(5)	89.30	- 10	(205)	10,644
Weighting Factor:		0.000	Weighting Factor:		0.048

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Generating Performance Incentive Points Table

Gulf Power Company

Period of: January 2021 - December 2021

Smith 3

Equivalent Availability Points	Fuel Savings/ Loss ($000)	Adjusted Actual Equivalent Availability	Average Heat Rate Points	Fuel Savings/ Loss ($000)	Adjusted Actual Heat Rate
+ 10	110	92.30	+ 10	3,315	6,706
+ 9	99	92.18	+ 9	2,984	6,719
+ 8	88	92.06	+ 8	2,652	6,732
+ 7	77	91.94	+ 7	2,321	6,746
+ 6	66	91.82	+ 6	1,989	6,759
+ 5	55	91.70	+ 5	1,658	6,772
+ 4	44	91.58	+ 4	1,326	6,785
+ 3	33	91.46	+ 3	995	6,798
+ 2	22	91.34	+ 2	663	6,812
+ 1	11	91.22	+ 1	332	6,825
				0	6,838
0	0	91.10	0	0	6,913
				0	6,988
- 1	(13)	90.93	- 1	(332)	7,001
- 2	(26)	90.76	- 2	(663)	7,014
- 3	(39)	90.59	- 3	(995)	7,028
- 4	(52)	90.42	- 4	(1,326)	7,041
- 5	(65)	90.25	- 5	(1,658)	7,054
- 6	(77)	90.08	- 6	(1,989)	7,067
- 7	(90)	89.91	- 7	(2,321)	7,080
- 8	(103)	89.74	- 8	(2,652)	7,094
- 9	(116)	89.57	- 9	(2,984)	7,107
- 10	(129)	89.40	- 10	(3,315)	7,120
Weighting Factor:		0.026	Weighting Factor:		0.776

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ESTIMATED UNIT PERFORMANCE DATA

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	SCHERER 3	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	
1.	EAF (%)	99.6	99.6	61.0	93.1	99.6	99.6	
2.	POF (%)	0.0	0.0	38.8	6.7	0.0	0.0	
3.	EUOF (%)	0.4	0.4	0.2	0.2	0.4	0.4	
4.	EUOR (%)	1.1	42.9	100.0	100.0	0.9	0.5	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	282.0	4.0	0.0	0.0	348.0	654.0	
7.	RSH	459.0	665.0	453.0	670.0	393.0	63.0	
8.	UH	3.0	3.0	290.0	50.0	3.0	3.0	
9.	POH	0.0	0.0	288.0	48.0	0.0	0.0	
10.	FOH & EFOH	3.0	3.0	2.0	2.0	3.0	3.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	1255690	12120	0	0	1168673	2572205	
13.	Net Gen (MWH)	113268.1	1017.6	0.0	0.0	100341.1	220600.7	
14.	ANOHR (Btu/KWH)	11086.0	11911.0	-	-	11647.0	11660.0	
15.	NOF %	46.4	29.4	0.0	0.0	33.3	39.0	
16.	NPC (MW)	865.0	865.0	865.0	865.0	865.0	865.0	

19.	ANOHR Equation	10^6 / AKW * [572.88 + 102.03 * JUN + 51.97 * JUL - 132.02 * NOV] + 9,659

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	SCHERER 3	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Total
1.	EAF (%)	99.3	99.6	99.7	99.7	93.2	99.7	95.3
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	3.8
3.	EUOF (%)	0.7	0.4	0.3	0.3	6.8	0.3	0.9
4.	EUOR (%)	0.7	0.5	0.4	100.0	98.0	0.9	2.3
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	734.0	638.0	445.0	0.0	1.0	232.0	3338.0
7.	RSH	5.0	103.0	273.0	742.0	671.0	510.0	5007.0
8.	UH	5.0	3.0	2.0	2.0	49.0	2.0	415.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	336.0
10.	FOH & EFOH	5.0	3.0	2.0	2.0	1.0	2.0	31.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	48.0	0.0	48.0
12.	Oper MBtu	3032713	2858655	1755525	0	0	954583	13610164
13.	Net Gen (MWH)	266495.0	258117.8	155356.2	0.0	0.0	85063.5	1200260.0
14.	ANOHR (Btu/KWH)	11380.0	11075.0	11300.0	-	-	11222.0	11339.0
15.	NOF %	42.0	46.8	40.4	0.0	0.0	42.4	41.6
16.	NPC (MW)	865.0	865.0	865.0	865.0	865.0	865.0	865.0

19.	ANOHR Equation	10^6 / AKW * [572.88 + 102.03 * JUN + 51.97 * JUL - 132.02 * NOV] + 9,659

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	CRIST 7	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	
1.	EAF (%)	98.8	80.7	95.7	98.8	60.1	98.8	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.2	19.3	4.3	1.2	39.9	1.2	
4.	EUOR (%)	5.9	100.0	4.5	1.3	65.9	1.3	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	143.0	0.0	680.0	707.0	154.0	707.0	
7.	RSH	592.0	542.0	31.0	4.0	293.0	4.0	
8.	UH	9.0	130.0	32.0	9.0	297.0	9.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	9.0	9.0	9.0	9.0	9.0	9.0	
11.	MOH & EMOH	0.0	121.0	23.0	0.0	288.0	0.0	
12.	Oper MBtu	266128	0	1224495	2189011	538323	2474999	
13.	Net Gen (MWH)	21368.9	0.0	96951.3	202742.5	50790.0	228616.2	
14.	ANOHR (Btu/KWH)	12454.0	-	12630.0	10797.0	10599.0	10826.0	
15.	NOF %	31.5	0.0	30.0	60.4	69.4	68.1	
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	

19.	ANOHR Equation	10^6 / AKW * [583.75 + 65.07 * JUN - 83.65 * OCT - 131.30 * NOV] + 8,467

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	CRIST 7	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Total
1.	EAF (%)	98.8	98.8	98.8	98.8	68.7	71.0	89.0
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	1.2	1.2	1.2	1.2	31.3	29.0	11.0
4.	EUOR (%)	1.2	1.2	1.3	1.2	51.0	100.0	14.9
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	731.0	731.0	707.0	731.0	217.0	0.0	5508.0
7.	RSH	4.0	4.0	4.0	4.0	278.0	528.0	2288.0
8.	UH	9.0	9.0	9.0	9.0	226.0	216.0	964.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	9.0	9.0	9.0	9.0	10.0	0.0	100.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	216.0	216.0	864.0
12.	Oper MBtu	2606446	2554213	2344727	1722293	405934	0	16326569
13.	Net Gen (MWH)	246542.4	240963.5	219564.3	156871.6	35904.3	0.0	1500314.9
14.	ANOHR (Btu/KWH)	10572.0	10600.0	10679.0	10979.0	11306.0	-	10882.0
15.	NOF %	71.0	69.4	65.4	45.2	34.8	0.0	57.3
16.	NPC (MW)	475.0	475.0	475.0	475.0	475.0	475.0	475.0

19.	ANOHR Equation	10^6 / AKW * [583.75 + 65.07 * JUN - 83.65 * OCT - 131.30 * NOV] + 8,467

Issued by: Gulf Power Company

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	DANIEL 1	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	
1.	EAF (%)	98.4	100.0	98.5	98.5	98.5	98.5	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	1.6	0.0	1.5	1.5	1.5	1.5	
4.	EUOR (%)	5.5	0.0	1.6	3.2	1.8	1.9	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	208.0	0.0	682.0	336.0	600.0	577.0	
7.	RSH	524.0	672.0	50.0	373.0	133.0	132.0	
8.	UH	12.0	0.0	11.0	11.0	11.0	11.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	12.0	0.0	11.0	11.0	11.0	11.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	768278	0	1872588	816113	1543387	1750259	
13.	Net Gen (MWH)	76590.3	0.0	163345.1	74246.1	142813.7	165775.6	
14.	ANOHR (Btu/KWH)	10031.0	-	11464.0	10992.0	10807.0	10558.0	
15.	NOF %	73.4	0.0	47.7	44.0	47.4	57.2	
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	

19.	ANOHR Equation	10^6 / AKW * [647.40 - 165.06 * FEB + 160.81 * MAR + 42.47 * JUN - 38.44 * OCT - 94.68 * NOV] + 7,789 + 0.00128 * LSRF / AKW

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	DANIEL 1	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Total
1.	EAF (%)	98.5	98.5	58.5	77.4	98.3	98.5	93.9
2.	POF (%)	0.0	0.0	0.0	0.0	0.1	0.0	0.0
3.	EUOF (%)	1.5	1.5	41.5	22.6	1.6	1.5	6.5
4.	EUOR (%)	2.1	1.9	85.9	100.0	8.2	10.3	13.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	511.0	567.0	49.0	0.0	123.0	96.0	3749.0
7.	RSH	222.0	166.0	372.0	576.0	586.0	637.0	4443.0
8.	UH	11.0	11.0	299.0	168.0	12.0	11.0	568.0
9.	POH	0.0	0.0	0.0	0.0	1.0	0.0	1.0
10.	FOH & EFOH	11.0	11.0	11.0	0.0	11.0	11.0	111.0
11.	MOH & EMOH	0.0	0.0	288.0	168.0	0.0	0.0	456.0
12.	Oper MBtu	1661346	1801500	141521	0	206701	283848	10845541
13.	Net Gen (MWH)	162256.7	175192.0	13488.5	0.0	17450.5	27196.3	1018354.8
14.	ANOHR (Btu/KWH)	10239.0	10283.0	10492.0	-	11845.0	10437.0	10650.0
15.	NOF %	63.3	61.5	54.8	0.0	28.3	56.4	54.1
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	502.0

19.	ANOHR Equation	10^6 / AKW * [647.40 - 165.06 * FEB + 160.81 * MAR + 42.47 * JUN - 38.44 * OCT - 94.68 * NOV] + 7,789 + 0.00128 * LSRF / AKW

Issued by: Gulf Power Company

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	DANIEL 2	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	
1.	EAF (%)	100.0	100.0	100.0	80.0	41.8	100.0	
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	
3.	EUOF (%)	0.0	0.0	0.0	20.0	58.2	0.0	
4.	EUOR (%)	0.0	0.0	0.0	29.6	64.3	0.0	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	697.0	600.0	421.0	343.0	240.0	696.0	
7.	RSH	47.0	72.0	322.0	233.0	71.0	24.0	
8.	UH	0.0	0.0	0.0	144.0	433.0	0.0	
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	0.0	0.0	0.0	0.0	217.0	0.0	
11.	MOH & EMOH	0.0	0.0	0.0	144.0	216.0	0.0	
12.	Oper MBtu	2381962	1940842	1293187	1225303	685958	2480063	
13.	Net Gen (MWH)	231258.4	187141.3	128139.8	117153.0	64847.6	241910.2	
14.	ANOHR (Btu/KWH)	10300.0	10371.0	10092.0	10459.0	10578.0	10252.0	
15.	NOF %	66.1	62.1	60.6	68.0	53.8	69.2	
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	

19.	ANOHR Equation	10^6 / AKW * [605.35 - 94.66 * MAR + 64.70 * APR] + 7,795 + 0.00183 * LSRF / AKW

Issued by: Gulf Power Company

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	DANIEL 2	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Total
1.	EAF (%)	100.0	100.0	100.0	100.0	100.0	100.0	93.4
2.	POF (%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3.	EUOF (%)	0.0	0.0	0.0	0.0	0.0	0.0	6.6
4.	EUOR (%)	0.0	0.0	0.0	0.0	0.0	0.0	7.7
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	719.0	719.0	641.0	681.0	554.0	649.0	6960.0
7.	RSH	25.0	25.0	79.0	63.0	167.0	95.0	1223.0
8.	UH	0.0	0.0	0.0	0.0	0.0	0.0	577.0
9.	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.	FOH & EFOH	0.0	0.0	0.0	0.0	0.0	0.0	217.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	360.0
12.	Oper MBtu	2701412	2639917	2286001	2027467	1603130	1883456	23148698
13.	Net Gen (MWH)	264844.3	258258.4	223002.7	193055.3	151897.8	178543.6	2240052.4
14.	ANOHR (Btu/KWH)	10200.0	10222.0	10251.0	10502.0	10554.0	10549.0	10334.0
15.	NOF %	73.4	71.6	69.3	56.5	54.6	54.8	64.1
16.	NPC (MW)	502.0	502.0	502.0	502.0	502.0	502.0	502.0

19.	ANOHR Equation	10^6 / AKW * [605.35 - 94.66 * MAR + 64.70 * APR] + 7,795 + 0.00183 * LSRF / AKW

Issued by: Gulf Power Company

ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	SMITH 3	Jan '21	Feb '21	Mar '21	Apr '21	May '21	Jun '21	
1.	EAF (%)	97.4	65.3	100.0	100.0	100.0	100.0	
2.	POF (%)	0.0	32.1	0.0	0.0	0.0	0.0	
3.	EUOF (%)	2.6	2.6	0.0	0.0	0.0	0.0	
4.	EUOR (%)	2.6	3.8	0.0	0.0	0.0	0.0	
5.	PH	744.0	672.0	743.0	720.0	744.0	720.0	
6.	SH	718.0	426.0	724.0	713.0	736.0	712.0	
7.	RSH	7.0	13.0	19.0	7.0	8.0	8.0	
8.	UH	19.0	233.0	0.0	0.0	0.0	0.0	
9.	POH	0.0	216.0	0.0	0.0	0.0	0.0	
10.	FOH & EFOH	19.0	17.0	0.0	0.0	0.0	0.0	
11.	MOH & EMOH	0.0	0.0	0.0	0.0	0.0	0.0	
12.	Oper MBtu	3072208	1792254	3174016	3198813	3281609	3146442	
13.	Net Gen (MWH)	443384.1	261414.0	457944.9	461456.0	473400.0	453966.5	
14.	ANOHR (Btu/KWH)	6929.0	6856.0	6931.0	6932.0	6932.0	6931.0	
15.	NOF %	95.0	94.4	95.3	97.5	96.9	95.4	
16.	NPC (MW)	650.0	650.0	664.0	664.0	664.0	668.0	

19.	ANOHR Equation	10^6 / AKW * [-39.78 - 44.42 * FEB - 102.83 * OCT] + 6,994

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ESTIMATED UNIT PERFORMANCE DATA

GULF POWER COMPANY

PERIOD OF: January 2021 - December 2021

	SMITH 3	Jul '21	Aug '21	Sep '21	Oct '21	Nov '21	Dec '21	Total
1.	EAF (%)	99.7	100.0	80.0	90.3	69.2	89.1	91.2
2.	POF (%)	0.0	0.0	20.0	9.7	0.0	0.0	4.9
3.	EUOF (%)	0.3	0.0	0.0	0.0	30.8	10.9	3.9
4.	EUOR (%)	0.3	0.0	0.0	0.0	31.0	10.9	4.1
5.	PH	744.0	744.0	720.0	744.0	721.0	744.0	8760.0
6.	SH	737.0	737.0	570.0	666.0	494.0	662.0	7895.0
7.	RSH	5.0	7.0	6.0	6.0	5.0	1.0	92.0
8.	UH	2.0	0.0	144.0	72.0	222.0	81.0	773.0
9.	POH	0.0	0.0	144.0	72.0	0.0	0.0	432.0
10.	FOH & EFOH	2.0	0.0	0.0	0.0	6.0	33.0	77.0
11.	MOH & EMOH	0.0	0.0	0.0	0.0	216.0	48.0	264.0
12.	Oper MBtu	3267835	3263413	2513666	2918513	2197028	2805004	34630801
13.	Net Gen (MWH)	471413.0	470843.0	362670.0	430904.0	316940.0	404820.9	5009156.4
14.	ANOHR (Btu/KWH)	6932.0	6931.0	6931.0	6773.0	6932.0	6929.0	6913.0
15.	NOF %	95.8	95.6	95.2	97.4	96.6	94.1	95.9
16.	NPC (MW)	668.0	668.0	668.0	664.0	664.0	650.0	661.8

19.	ANOHR Equation	10^6 / AKW * [-39.78 - 44.42 * FEB - 102.83 * OCT] + 6,994

Issued by: Gulf Power Company

Planned Outage Schedules (Estimated)

Gulf Power Company

Period of: January 2021 - December 2021

Plant & Unit	Planned Outage Dates			Reason for Outage
Crist 7	03/07/20	-	04/26/20	
Smith 3	04/28/20	-	05/06/20	Borescope inspection
Smith 3	09/18/20	-	10/03/20	Borescope inspection
Daniel 1	03/24/20	-	04/01/20	
Daniel 1	09/26/20	-	12/11/20	
Daniel 2	04/10/20	-	05/17/20	

Notes Regarding Estimated Planned Outage Schedules

Gulf Power Company

Period of: January 2021 - December 2021

It is important to understand that estimated dates for planned outages and their bar chart schedules are frequently changed in timing and work scope due to system conditions, findings of inspections, subcontractor requirements, material availability and so on.

Please note that in addition to the outages scheduled for the target period of January 2021 - December 2021, the outages shown below are currently planned and could be rescheduled for the target period.

Plant & Unit	Planned Outage Dates	Reason for Outage
None		

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

IN RE: **Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor**)

Docket No.: **20200001-EI**

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing was furnished by electronic mail this 3rd day of September, 2020 to the following:

Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp
Mike Cassel, Director
Regulatory and Governmental Affairs
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

PCS Phosphate – White Springs
c/o Stone Mattheis Xenopoulos & Brew, P.C.
James W. Brew/Laura Baker
Eighth Floor, West Tower
1025 Thomas Jefferson St, NW
Washington, DC 20007
jbrew@smxblaw.com
lwb@smxblaw.com

Duke Energy Florida
Dianne M. Triplett
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

Florida Power & Light Company
Maria J. Moncada
David Lee
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
Maria.moncada@fpl.com
David.Lee@fpl.com

Florida Power & Light Company
Kenneth Hoffman
134 West Jefferson Street
Tallahassee, FL 32301
Kenneth.Hoffman@fpl.com

Ausley Law Firm
James D. Beasley
J. Jeffry Wahlen
Malcolm N. Means
Post Office Box 391
Tallahassee, FL 32302
jbeasley@ausley.com
jwahlen@ausley.com
mmeans@ausley.com

Gunster Law Firm
Beth Keating
215 South Monroe Street, Suite 601
Tallahassee, FL 32301-1839
bkeating@gunster.com

Office of Public Counsel
J. R. Kelly/M. Fall-Fry
Patricia A. Christensen
Associate Public Counsel
c/o The Florida Legislature
111 W. Madison Street, Room 812
Tallahassee, FL 32399-1400
Kelly.jr@leg.state.fl.us
Christensen.patty@leg.state.fl.us
fall-fry.mireille@leg.state.fl.us

Duke Energy Florida, Inc.
Matthew R. Bernier
106 East College Avenue,
Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com
FLRegulatoryLegal@duke-energy.com

Florida Industrial Power Users Group
c/o Moyle Law Firm
Jon C. Moyle, Jr.
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com
mqualls@moylelaw.com

Tampa Electric Company
Ms. Paula K. Brown, Manager
Regulatory Coordination
P. O. Box 111
Tampa, FL 33601-0111
Regdept@tecoenergy.com

Office of the General Counsel
Suzanne Brownless
2540 Shumard Oak Blvd
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us

RUSSELL A. BADDERS
VP & Associate General Counsel
Florida Bar No. 007455
Russell.Badders@nexteraenergy.com
Gulf Power Company
One Energy Place
Pensacola FL 32520-0100
(850) 444-6550

STEVEN R. GRIFFIN
Florida Bar No. 0627569
srg@beggslane.com
Beggs & Lane
P. O. Box 12950
Pensacola FL 32591-2950
(850) 432-2451
Attorneys for Gulf Power